

19980119.qrp v00_n975.qrs.980119

Date: Mon, 19 Jan 1998 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 975

QRP-L Digest 975

Topics covered in this issue include:

- 1) [1322] Re: 6 meter QRP fun
by Jack Parker <Pparker@greatbasin.net>
- 2) [1323] For Sale: Index labs QRP Plus
by RobCap <RobCap@aol.com>
- 3) [1324] re: For Sale QRP Plus, mic included
by RobCap <RobCap@aol.com>
- 4) [1325] Re: Reception Report for WA2HOQ
by "Bruce Barley" <lbbbarley@feist.com>
- 5) [1326] N/T Fox 569 CO @7140 -0105utc
by Steve Galchutt <n0tu@webaccess.net>
- 6) [1327] N/T fox
by Jerrydeen <Jerrydeen@aol.com>
- 7) [1328] QRP in the SSB NA QSO Party
by "Jim Francoeur KC1FB" <jim_kc1fb@pipeline.com>
- 8) [1329] Re: Another JPG Question
by "Heron, George" <G.Heron@dialogic.com>
- 9) [1330] Re: qrp rtty
by Stanley Wilson <microres@crl.com>
- 10) [1331] FINALE: outback make-do antennas
by K5BDZ <K5BDZ@aol.com>
- 11) [1332] Rainbow tuner - need help
by B1ljohn <B1ljohn@aol.com>
- 12) [1333] Re: Rainbow tuner - need help
by Joseph Everhart <n2cx@voicenet.com>
- 13) [1334] R-2/T-2 boards for sale
by Jack Parker <Pparker@greatbasin.net>
- 14) [1335] Re: QRP in the SSB NA QSO Party
by "Ken Hanks" <kennfd@ibm.net>
- 15) [1336] Re: 6 meter QRP fun
by kt3a@juno.com
- 16) [1337] OHR QRP wattmeter
by Frank <frank001@postoffice.worldnet.att.net>
- 17) [1338] RE:preventing destruction of gel cell?
by Jade Account <jadepro@jadeprod.com>
- 18) [1339] unrecieved QRPp
by "duane" <duane@flinet.com>
- 19) [1340] Re: N/T+ Fox for 1/19/98

- by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 20) [1341] 56K Modem Tip(courtesy W9EQ in Feb 98 QST)
by "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
- 21) [1342] Re: Sierra Output Transformer
by victnr@juno.com (Victor E Turner)
- 22) [1343] Care and Feeding of Deep Cycle Batteries
by Rich Bachmann <bachmann@ari.net>
- 23) [1344] FS: Unbuilt 38S
by "C. Leung" <cleung@cln.etc.bc.ca>
- 24) [1345] R2/T2
by Jack Parker <Pparker@greatbasin.net>
- 25) [1346] Sooper-Shooter!!!
by Tim Ahrens <tahrens@inetport.com>
- 26) [1347] Receiver troubleshooting help needed
by mikemo@ibm.net
- 27) [1348] Re: 2n2: 40 m DSB XCVR complete in VA
by Paul Harden <pharden@aoc.nrao.edu>
- 28) [1349] WTB Vintage 50's or 60's ARRL Handbooks
by "Craig Lund" <clund@bestweb.net>
- 29) [1350] Yet another question
by Bob Roach <KE4QOK@worldnet.att.net>
- 30) [1351] Re: Foxx 2 Xcvt
by R00 <R00@kanga.demon.co.uk>
- 31) [1352] Even my email is in morse
by "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
- 32) [1353] Keyers w/Analog Speed Control?
by Steve Galchutt <n0tu@webaccess.net>
- 33) [1354] DX-Mania!, and REALLY cool propagation
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 34) [1355] Re: Keyers w/Analog Speed Control?
by Andy Fox <foxes@theriver.com>
- 35) [1356] You guys are great!
by Peter_Simpson@3com.com
- 36) [1357] RE: Graphics output from CAD programs (somewhat long)
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 37) [1358] Re: Sierra Output Transformer
by kf2ew@juno.com (David M Kopacki, Sr.)
- 38) [1359] Re: Receiver troubleshooting help needed
by Steven Weber <kd1jv@moose.ncia.net>
- 39) [1360] Re: N/T+ Fox for 1/19/98
by Shepherd <Shepherd@aol.com>
- 40) [1361] Re: Keyers w/Analog Speed Control?
by "Ken Hanks" <kennfd@ibm.net>
- 41) [1362] Re: Military NVIS antenna - crossed inverted vees?
by Niel Skousen <nskousen@scientechn.com>
- 42) [1363] Re: Receiver trouble shooting
by Bob Liesenfeld <wb0poq@visi.com>
- 43) [1364] Re: DX-Mania!, and REALLY cool propagation

- by Monte Stark <ku7y@sage.dri.edu>
- 44) [1365] Re: Keyer
by MSU1972 <MSU1972@aol.com>
- 45) [1366] Re: Keyers w/Analog Speed Control?
by K5BDZ <K5BDZ@aol.com>
- 46) [1367] Monday Night NWQ Net Moves!
by Bill Todd <bill@techline.com>
- 47) [1368] QRP Testimony
by kt3a@juno.com
- 48) [1369] BACK ON QRP FROM APARTMENT!
by Mike Duke <K5xu@cris.com>
- 49) [1370] ANYBODY GOT AN EXTRA KC-1 FS?
by Mike Duke <K5xu@cris.com>
- 50) [1371] Tuna Tin 2 PCB Layout Available
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 51) [1372] BuzzNot in OHR100a?
by wmcshan@REX.RE.ouhsc.edu (Mike McShan)
- 52) [1373] Antenna Question: Better Bazooka?
by Ed Loranger <we6w@qsl.net>
- 53) [1374] Pixie on 30m?
by Bill Acito 19-Jan-1998 1302 <acito@asdg.ENABLE.dec.com>
- 54) [1375] FYBO 98 / NA CW Sprint Collision
by Joe Gervais <vole@primenet.com>
- 55) [1376] CQC Banquet Change of Location
by "Marshall Emm" <mgemm@mtechnologies.com>
- 56) [1377] Re: Monday Night NWQ Net Moves!
by Bill Todd <bill@techline.com>
- 57) [1378] FYBO 98 / NA CW Sprint Collision
by Joe Gervais <vole@primenet.com>
- 58) [1379] Re: Keyer wiring convention
by DENNIS MO <DENNISMO@aol.com>
- 59) [1380] AC/DC inverter?
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 60) [1381] Sierra Mods
by Derek Brown <DBrown@RFMD.com> (by way of Jerry Parker <jparker@fix.net>)
- 61) [1382] Re: Antenna Question: Better Bazooka?
by Monte Stark <ku7y@sage.dri.edu>
- 62) [1383] NEAR Spacecraft visible Jan 22-23
by Paul Harden <pharden@aoc.nrao.edu>
- 63) [1384] QRP ARCI FIDM 98 QRP Conference Announcement
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 64) [1385] Re: Antenna Question: Better Bazooka?
by dannyayers@juno.com (Danny K Ayers)
- 65) [1386] QRP Plus performance figures once more
by vllario@eic.ictnet.es (Vicenc Llarío i Zarzoso)
- 66) [1387] Re: Keyer wiring convention
by Ed Loranger <we6w@qsl.net>
- 67) [1388] N/T+ Log for 1/19/98

- by Shepherd <Shepherd@aol.com>
- 68) [1389] Re: Antenna Question: Better Bazooka?
by Ed Loranger <we6w@qsl.net>
- 69) [1390] Re: Tuna Tin 2 PCB Layout Available
by Monte Stark <ku7y@sage.dri.edu>
- 70) [1391] Re: FYBO 98 / NA CW Sprint Collision
by "Richard Powell" <ripowell@mpna.com>
- 71) [1392] FS: Ramsey COM-3 service monitor, to the "locals" first...
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 72) [1393] FS MFJ 9040 40M QRP CW rig
by "Howard M. Sherer" <howardsh@ptdprolog.net>
- 73) [1394] FS Ten Tec ant tuner
by "Howard M. Sherer" <howardsh@ptdprolog.net>
- 74) [1395] Re: FYBO 98 / NA CW Sprint Collision
by Paul Harden <pharden@aoc.nrao.edu>
- 75) [1396] re:super morse
by Roger Braker <msebrakr@telepath.com>
- 76) [1397] Re: CQC Banquet Change of Location
by "Marshall Emm" <mgemm@mtechnologies.com>
- 77) [1398] RE: CQC Banquet Change of Location
by Brad Mugleston <bmug@gwl.com>
- 78) [1399] S&S DVFO-II / other AD9850 designs?
by John Seboldt <rohrwerk@pconline.com>
- 79) [1400] FREE 3.5 In. DISKS
by w4bws@juno.com (Donald E Sanders)
- 80) [1401] Re: Keyers w/Analog Speed Control?
by "Phillips Richard" <phillips@msoe.edu>
- 81) [1402] Monday Nite FOX - W2UX
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 82) [1403] Tote/Tent Zipper Repair -- QUICK!
by Ed Loranger <we6w@qsl.net>
- 83) [1404] MFJ 9020 for sale
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 84) [1405] Re: QRP in the SSB NA QSO Party
by Bill Schiller <schiller@cherokee.nsuok.edu>
- 85) [1406] Re: Antenna Question: Better Bazooka?
by Ed Loranger <we6w@qsl.net>
- 86) [1407] Re: Pixie on 30m?
by R00 <R00@kanga.demon.co.uk>
- 87) [1408] 38S For Sale
by Larry East <w1hue@amsat.org>
- 88) [1409] Re: 38S For Sale
by Ed Loranger <we6w@qsl.net>
- 89) [1410] Re: Another JPG Question
by n7mfb@juno.com (Bill Todd)
- 90) [1411] more past articles on 2n2222 transmitters
by rheiss@sprynet.com (Rob Heiss)

Date: Sun, 18 Jan 1998 16:36:45 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Cc: malman@BBN.COM
Subject: [1322] Re: 6 meter QRP fun
Message-ID: <3.0.1.32.19980118163645.0069702c@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:10 PM 1/18/98 EST, you wrote:

>Folks,

>

>Tried my first VHF contest this weekend. The ARRL VHF SS --- they don't
>have a QRP class.....

<nsip>

>

>/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

>

>

>

Not true, Joel...there is a QRP catagory...I've got a certificate from last
year's VHF SS to prove it:>)

Of late that's all I've been running...yesterday, on 2-meter SSB, I worked
a couple of stations in DM-14 from a ridge-top 30-miles southeast of Reno,
NV in DM-09, with 10-watts (the ARRL QRP limit or VHF contests) and a
single yagi...that's more fun than sitting on the calling frequency with a
kw and working a whole bunch of locals:>)

72/73

Jack Parker, W7PW

QRP-L #1310, 10GHz VUCC #3, 50MHz WAS, SMIRK #3335, ARRL Life Member, DM-09

"I gotta get me one of these"

Will Smith--Independence Day

Date: Sun, 18 Jan 1998 19:43:55 EST
From: RobCap <RobCap@aol.com>
To: qrp-1@Lehigh.EDU

Subject: [1323] For Sale: Index labs QRP Plus
Message-ID: <2e52a5f4.34c2a1cd@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For Sale: Index Labs QRP Plus, version 1. This is the original version of the Index Labs QRP rigs, offered at a price of \$360. Price includes UPS ground shipping, insured, within Continental U.S.

The radio is in excellent shape. As with all QRP Plus version 1 radios, the buyer must understand the radio's limits. While it has excellent 5+ watt QRP output on CW, the SSB output is typically less than 2 watts because it does not have the "VOGAD" circuit included with the QRP Plus version 2. It also has the objectionable audio derived AGC, so it overloads on very loud signals, but probably does better than the version 2 rig on adjacent signal selectivity.

It also draws less current than the QRP Plus version 2, so it's an excellent field radio, especially for CW inclined operators who want all band coverage. Not as good for SSB guys.

Caveat emptor. I vastly prefer my Sierra, Argo 509 and my OHR-400, so the rig isn't getting much air time. But probably still a lot of radio for the money.

E-mail me at Robcap@aol.com, or telephone evenings at (804) 971-6812.

73,

Rob, W3DX
(Formerly WA3ULH)

Date: Sun, 18 Jan 1998 19:48:25 EST
From: RobCap <RobCap@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [1324] re: For Sale QRP Plus, mic included
Message-ID: <b163df6.34c2a2db@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The \$360 price on the QRP Plus includes the matching hand microphone.

73,

Rob, W3DX

Date: Sun, 18 Jan 1998 06:48:14 -0600
From: "Bruce Barley" <lbbbarley@feist.com>
To: <maprath@prairienet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <topgunat6@aol.com>
Subject: [1325] Re: Reception Report for WA2HOQ
Message-ID: <199801190049.SAA24410@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Hello, Robert

I copied: "VVV DE WA2HOQ/QRP PSE QSL RST K" from your beacon at 7038 kc at 0715Z on 01/18/98.

RST: 329 w/lite QSB
RCVR: TenTec Century/21 w/ DSP on ground mounted vertical.
QTH: nr Wichita, Kansas

Did anyone to the west of Wichita copy the beacon last nite? Robert !
What power were you running, and to what kind of antenna? Sigs here
sounded very clean and ez copy.

The band last nite (this morning) was VERY long. At 10 mhz I was copying WWVH with a much stronger signal than WWV, which is just a few hundred miles from Wichita.

At about 0710Z I copied a "formula" qso between K4SWJ in Atlanta, GA and ZL1CDN (Bryan) on 7031 kc. Since the K4 was running 150 watts, and the ZL was using a 3-el beam, I was entertaining hopes of tail-ending myself into a FB DX QSO with my TenTec rev'd up to full steam of ~60w input. NO SUCH LUCK ! I ran smack dab into lesson # 5 about why a beam is preferable to a vertical for working DX. When the K4 73'd from the QSO, he was in turn called by an AA1 who must have been QRO, for he was about 20 over 9 here. Alas! I could still hear the ZL station underneath and he was calling CQ with no takers ! I QSY'd to the edge of the on-going QSO but the ZL never did hear my call, I guess - even at my "full" power. With that, I went to bed.

{Lesson # 3 about why it is desirable to upgrade from General to Extra was the EA1 calling CQ on 7018 kc at about 0700Z. Sigh ! Someday.}

Here's the poop on WA2HOQ from the QRZ files...

Callsign: WA2HOQ
Name: ROBERT LECH
Addr1: 140 FARNSWORTH AVE APT 9
Addr2: BORDENTOWN NJ 08505
Country: USA
Class: General
Effective: 16 Jan 1996
Expires: 16 Jan 2006
Location: 40.137 N 74.712 W Burlington County
Heading: (data not available)
Email: TOPGUNAT6@aol.com

72's and best DX for 1998

Bruce Barley KB0PZD qrp-l # 69
lbbarley@feist.com

> From: Mark A. Prather <maprath@prairienet.org>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Reception Report for WA2HOQ
> Date: Sunday, January 18, 1998 10:33 AM
>
>
>
>
>
> Hello to all!
>
> Is WA2HOQ on this list?
>
> I just copied his signal on 40M - just about 7040 or so.
>
> Here is a reception report....
>
>
> Call: WB9HFK
> QTH: Urbana, IL
> Name: Mark
>
> Rig: OHR-100A
> Ant: Windom @ 20Ft.
>
> Ur RST: 559
>
> Date: 01/18/98
> Time: 1521 UTC
>

> 73, Mark
>
>
> --
> * Mark A. Prather - WB9HFK * maprath@prairienet.org *
> * QRP ARCI #9472 - QRP-L #1159 * mprather@halcomm.com *
>

Date: Sun, 18 Jan 1998 17:39:10 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"> <qrp-l@Lehigh.EDU>
Subject: [1326] N/T Fox 569 CO @7140 -0105utc
Message-ID: <34C2A0AE.4DD7@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan is calling CQ FOX and no takers...go get 'em...

--

CUL Steve/n0tu . .
Solar powered QRP/CW
"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Sun, 18 Jan 1998 20:09:03 EST
From: Jerrydeen <Jerrydeen@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1327] N/T fox
Message-ID: <2520c7e9.34c2a7b1@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Dan, N8VZU,

You had a tremendous signal into IA tonight. Thank you for the contact. You have a fine fist! Congratulations, and again, thanks for making an old guy happy! Those fox pelts are making an Iowa winter warmer.

72 Jerry WB0T

Date: Sun, 18 Jan 1998 20:12:32 -0500
From: "Jim Francoeur KC1FB" <jim_kc1fb@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1328] QRP in the SSB NA QSO Party
Message-ID: <199801190113.UAA02414@brickbat8.mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

This week end I turned on my rig to have background "music" while I did some things around the house. For a change I decided to listen to SSB, something I can "copy" in my head. There seemed to be a contest on, so later in the evening I looked it up and found that it was a "QRP" contest, in that no one in the NA QSO Sprint was allowed to use more than 150 Watts.

I jumped on to 75 meter Phone at 0300 UTC and proceeded to work 38 stations using my FT-7 that is set to 5 Watts PEP. I operated for three hours, until the end of the contest, with breaks to watch TV. Best "DX" was Oregon. I think I worked anyone I could hear. Not bad for ssb qrp on 75, with the background noise at S7-9.

SSB qrp is my original qrp love, and though most of my home-brew rigs are CW only, I need to go back to it every once in awhile.

Did anyone else "play" in the contest at qrp levels?

72,

Jim KC1FB

Jim Francoeur KC1FB QRP-L # 29

Date: Sun, 18 Jan 1998 20:20:34 -0500
From: "Heron, George" <G.Heron@dialogic.com>
To: jayboy@psnw.com
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [1329] Re: Another JPG Question
Message-ID: <DF8C9288E968D011A5950060972035B102BFB7D1@mailnj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi Jay -

You can view a JPEG file with your browser by letting the image come up when Explorer comes up, although the resolution isn't always that great.

.JPG files can also be inserted into a Word file by selecting Insert\Picture\from file ... and then select your jpg file from the little browse dialog. (I think has been a feature going way back in Word, although I'm using the latest version).

I've gotta believe MS Works also allows viewing of jpeg files too (perhaps by similar "insert picture" menu option?), but I don't have the program.

BTW, there's a GREAT shareware image viewer program called VuePrint by Hamrick Software for a very reasonable price (\$25?) that allows viewing of *many* different image file formats, conversion among them all, slide show sequencing and more. You can download trial versions at: <http://www.hamrick.com/>. [No affiliation here ... been using it very successfully for a couple of years.]

--George N2APB
g.heron@dialogic.com

=====

Question: How do I look at [jpg files]?

Date: Sun, 18 Jan 1998 17:42:05 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: Marty Ray <mray@netusa1.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1330] Re: qrp rtty
Message-ID: <Pine.SUN.3.91.980118173912.23879A-100000@crl.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some good RTTY URL's to visit

RTTY Loop Page www2.ari.net/ajr/rtty

www.goodnet.com/~gjohnson

For a simple RTTY interface: www.accessone.com/~tmayhan

The RTTY Loop page has some no links so should be able to find what you

are looking for in software and hardware for Rtty by starting there.

de stan ak0b

Date: Sun, 18 Jan 1998 20:57:37 EST
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [1331] FINALE: outback make-do antennas
Message-ID: <c09eb66c.34c2b31c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

This is the final installement for those of you who were taking "how-to"=
=0Anotes:=0A=0AAfter hiking for 2 hours, it was dark and I was in no mood=
to go back down:=0Ajust to get that forgotten antenna. I at least had my=
homebrew L-net tuner.=0ASo from a nearby crumbling shack, I salvaged abo=
ut 20 ft of wire and 2 rusty:=0Anails. Scraped the rust off the nails & i=
nsul off wire with my knife.=0ALooking at that tall Pine, I first drove o=
ne nail in the biggest root for a:=0Agood ground connection to the tuner. =
Then about 18" directly above that root,=0AI drove the other nail in the=
tree trunk. On that nail I wrapped the:=0Aremaining wire, then wrapped t=
he long 15 feet of wire 2 loops around that big:=0APine trunk, for added i=
nductive coupling, and connected the wire end to the:=0Atuner LW binding p=
ost. I turned on the rig and started to load up on 20:=0Ameters. The ban=
d was hot and I could hear everyone. So I tried to tune up my:=0Antenna.=
At first it was sluggish, then the SWR started to drop! I got it to:=0A=
1.5:1 finally. As a breeze came up, I noticed that every time a big lowe=
r:=0Atree branch would blow down toward the ground the SWR would climb, bu=
t when:=0Athe branch bounced up the SWR would drop to 1.1:1. So I careful=
ly sawed off:=0Athe branch, bit by bit until the SWR was flat! And The si=
gnals picked up:=0Atoward Europe at the same time!:=0ALong story short, I w=
as so excited, I just kept brewing and drinking campfire:=0Acoffee, and st=
ayed up all nite working 20 meter DX on that Virgin Pine:=0Antenna. One =
of my loudest QSO=92s was with a W1..W1AW as I recall...the guy=92s:=0Ana=
me was Hiram...nice fellow..loud signal...great fist...smooth as floating=
on:=0Aa cloud.=0AWish I could have brought that antenna home. But I'll g=
o back again someday.=0A=0AWell that=92s my antenna story. Wonder if som=
e magazine would be interest.=0AWhat issue?=0A=0ABill, K5BDZ=0A

Date: Sun, 18 Jan 1998 21:00:38 EST
From: Billjohn <Billjohn@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [1332] Rainbow tuner - need help
Message-ID: <fe274968.34c2b3c9@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Need an e-mail help address. The bridge isn't working correctly.

Bill,
K9YEQ

Date: Sun, 18 Jan 1998 21:13:46 -0500
From: Joseph Everhart <n2cx@voicenet.com>
To: Billjohn@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [1333] Re: Rainbow tuner - need help
Message-ID: <199801190213.VAA22038@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:00 PM 1/18/98 EST, you wrote:
>Need an e-mail help address. The bridge isn't working correctly.
>
>Bill,
>K9YEQ
>
>
>

Bill, (And anyone else with Rainbow Tuner questions)

I'm the answer guy!

Please feel free to contact me at the "home" e-mail address in my signature, below.

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Sun, 18 Jan 1998 18:12:40 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [1334] R-2/T-2 boards for sale
Message-ID: <3.0.1.32.19980118181240.00688c14@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've got a KK7B R-2 receiver board and T-2 transmitter board for sale...

The R-2 is nearly complete (haven't fully installed the audio output stage), including the USB/LSB conversion board, but I've never built a VFO to test. The T-2 has just a few components stuffed on the board, including the DBM's. Construction quality is excellent. Have full documentation \$55 shipped CONUS for all!

Date: Sun, 18 Jan 1998 21:41:24 -0500
From: "Ken Hanks" <kennfd@ibm.net>
To: <jim_kc1fb@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [1335] Re: QRP in the SSB NA QSO Party
Message-ID: <01bd2483\$bbc04e60\$b0d148a6@kh>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim:

I got on 75M for the NA QSO Party last night with about 1/2 hour to go. Worked about 6 stations without really trying, 3W out to a dipole. Mostly in the mid-west and south east.

I most likely will do QRP for the CW test next month.

73,
Ken K1XS@ibm.net

Date: Sun, 18 Jan 1998 22:38:13 EST
From: kt3a@juno.com
To: malman@BBN.COM
Cc: qrp-1@Lehigh.EDU
Subject: [1336] Re: 6 meter QRP fun
Message-ID: <19980118.222840.5415.3.kt3a@juno.com>

The ARRL VHF contest does have a QRP Portable category.
This is mostly for those mountain toppers who run on battery power.
It is still QRP though.
I worked 4 grids with my attic antennas using 10w PEP and 5w
CW. It's fun to try cross modes when I can't reach them with SSB.
It actually works, but not all VHF ops know Morse. I was amazed
that my QRP sig reached a station in Ohio on 6m when I switched to
CW and the local 250 watt club station had to call about 10 times to
get their attention in SSB. This is a fun contest, because it is now
a first contest for many new amateurs.

Cameron C.R. Bailey <>< KT3A, QRP-L #7
QRP-ARCI Board of Directors Member
QRP Society of Central Pennsylvania
Mount Wolf, PA
kt3a@juno.com

Date: Sun, 18 Jan 1998 20:33:33 -0800
From: Frank <frank001@postoffice.worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [1337] OHR QRP wattmeter
Message-ID: <34C2D79D.1B73@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just completed building my OHR WM-2 QRP wattmeter. It has three full
scale ranges: 0-10 watts, 0-1 watt and 0-100 mW. Requires only a DVOM
to calibrate.

If your looking for a nice QRP watt meter that goes together in an

evening, take a look at this one.

I have no connection with OHR, etc.....

72, Frank W6EV

Date: Sun, 18 Jan 98 23:46:22 PST
From: Jade Account <jadepro@jadeprod.com>
To: qrp-1@Lehigh.EDU, Arjen.Raateland@vyh.fi
Subject: [1338] RE:preventing destruction of gel cell?
Message-ID: <Chameleon.980118235432.jadepro@jadepro.jadeprod.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've quickly thrown together a WEB page that shows a schematic of what we do in our UC3906 based battery controllers. You might have a look Arjen and see if you can modify your charger to do this. The circuitry is in all of our controllers these days. There is reverse battery protection, lo-volt disconnection and full metering. The PTC device shown in the schematic is an automatic resetting fuse device that provides the reverse protection.

If the browser doesn't show enough detail, let me know and I can send you an attached Word document.

You could homebrew something similar. The UC3906 spec sheet shows a circuit to do the same thing, but the relay can get quite large and it requires a very large capacitor in the output to "hold up " the load during the switch over. This circuit eliminates these problems.

See: <http://www.jadeprod.com/lovolt.html>

72'

Dennis, K1YPP

Jane Blanchard, KA1FUN, President -- Dennis Blanchard, K1YPP, Chief Engineer

Jade	Phone: 603-329-6995 (Telephone hours 4 to 10 PM EST)
Products,	FAX: 603-329-4499
Inc.	Orders: 800-523-3776
	e-mail: jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: <http://www.jadeprod.com/>

Date: Mon, 19 Jan 1998 00:46:51 -0500
From: "duane" <duane@flinet.com>
To: "qrp-l group" <QRP-L@Lehigh.EDU>
Subject: [1339] unrecieved QRPP
Message-ID: <01bd249d\$a3d8c600\$59180ed0@ab4be.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Jerry I've lost your email address, but I have not recieved
the last 2 mailing of the QRPP journals. Could you please check on this. I
payed for 2 years when I first joined. I'm sure its just an oversite
thanks.

Duane@flinet.com
Duane Mayo AB4BE

Date: Sun, 18 Jan 1998 22:44:46 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Shepherd <Shepherd@aol.com>
Cc: "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.EDU>
Subject: [1340] Re: N/T+ Fox for 1/19/98
Message-ID: <199801182248_MC2-2FC7-9D67@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dan:

Man it was great to hook up with you tonight. Gotta tell ya, you had one of the strongest FOX signals ever. Probably should have given you a 589 :-).

Setup here was the Yaesu 900CAT at 5 watts to a W3EDP 84' Long Wire w/ the 17' counterpoise. Tuner = Emtech ZM-1. The antenna is going straight out my 4th story hotel window to a convenient tree.

The setup gets *out* very well....but there is high QRN from a nearby mercury vapor street light. Tomorrow will be re-positioning the antenna.

Anyway, many thanks for a good FOX hunt. You were doing a great job tonight--good cw, proper procedure, and good exchanges. Hope you had a lot of callers.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 1/16/98 = 25. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan

TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein.

Date: Sun, 18 Jan 1998 22:43:39 -0500
From: "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [1341] 56K Modem Tip(courtesy W9EQ in Feb 98 QST)
Message-ID: <3.0.32.19980118224245.00688140@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There's a letter in the Feb issue of QST from Dan Habecker, W9EQ, on page 25 with a tip on how to determine if your phone line supports 56kbps. Basically stated, using your modem(according to the letter, it doesn't have to be 56k, but MUST support V.34) and a terminal program, call toll free 1-888-877-9248(USRobotics test site). Hit ENTER when connected, then type "Line Test" (without the quotes) when prompted for your name. The system performs diagnostics on your line and reports if 56k speeds can be supported.

I tried it and it told me my line supported X2(USRobotics standard).

Supposedly if your line passes the test, either X2 or K56flex will probably work, according to W9EQ.

Give it a try. It's free and only takes a couple of minutes.

For further information, the letter gives a WEB address of

<http://x2.usr.com/connectnow/linetest.html>

Tnx to W9EQ for the tip.

72 de N8PVZ

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@qsl.net <http://www.concentric.net/~n8pvz/>
We are QRP. Resistance is futile. You will be assimilated

Date: Sun, 18 Jan 1998 22:56:48 EST
From: victnr@juno.com (Victor E Turner)
To: DBrown@RFMD.com
Cc: qrp-1@Lehigh.EDU
Subject: [1342] Re: Sierra Output Transformer
Message-ID: <19980118.215354.7335.0.Victnr@juno.com>

Hi Derek:

I have a norcal Sierra built from a pc board I got from Jim Cates a while ago. I read alot of articles concerning the hugh variation in outputs different people obtained and the difficulty people had optimizing their band modules. I also felt that tweaking the band modules had to be hurting the spectral purity of the transmit signal as well as creating a problem with the receiver. The receive performance suffers when the band module is compromised for transmit power. I decided to use a 1:4 step up transformer and design the low pass filter with a 50ohm in 50ohm output filter section on the band module. I simply removed the collector choke and substituted 10 bifilar turns wound on a T50-43 ferrite core. this will step the resulting approx 14.4 collector z up to near 50 ohms. I replaced the final transistor with a MRF477 to provide 5 watts output. If the choice of the MRF477 seems odd, It is because first of all it has greater gain than the original device and has lots of collector dissipation. Its pricey but should be indestructible. At this power level Wayne Burdick's warnings about inadequate decoupling are correct and one should add .01 and a 10micro farad bypass caps in parallel with c-45 (original norcal Sierra. I replaced the driver with a

2n5109 . T2 uses a 12:2 turns ratio. Reduce the driver's (Q6) emitter resistor R13 from 22 ohms to 10 ohms. The other mods are concerned with adequate drive and have been covered in QRPP. Without listing all band module components I would recommend solid state design for the radio amateur, otherwise drop me a letter and I'll reply with my values. Warning I tried this mod on a Wilderness Sierra and due to some Bias changes made to the xmitmixer buffer it was unstable; if the earlier buffer circuit is restored there were no problems. In closing let me say that The Sierra is a fine Rig which in its original form is a fine performer. I only modified mine because I operate in my motor home with mobile antennas and needed a bit more power. These modifications will result in 5 watts on most bands. I have only used 40,30 and 20 meters so don't know about the others I suspect some drop as you move up. mine will produce 6 watts on 40 meters I just adjust the power down with the drive adjust. Undertake this modification only if you feel competent or can obtain help from a knowledgeable friend.

Vic Turner

WA6EIW repeater On Sun, 18 Jan 1998 11:48:01 -0500 Derek Brown

<DBrown@RFMD.com> writes:

>In a response to one of my previous inquiries, someone mentioned
>converting an output choke (on his Sierra) to a transformer to
>increase the transmitter output. Can anyone provide details or point
>me to an appropriate URL for this mod.

>

>Derek Brown

>Greensboro, NC

>dbrown@rfmd.com

>

>

>

>

>

Date: Sun, 18 Jan 1998 23:01:52 -0500

From: Rich Bachmann <bachmann@ari.net>

To: "'k7sz@juno.com'" <k7sz@juno.com>

Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>

Subject: [1343] Care and Feeding of Deep Cycle Batteries

Message-ID: <01BD2465.12509650@ppp_bach.ari.net>

Good evening,

As a minimum, the battery needs further charging. The current should taper down to less than 1/100th its amp-hour capacity before it is considered fully charged. Small sealed lead acid batteries are considered old at 4 years, six years is ancient. In trolling applications, deep-cycle

batteries almost never see 3 seasons. 4 years may or may not be early depending on the situation. The load test (described by kk7hvv) is the only real way to check a lead-acid battery and the battery must be fully charged before hand. 60% of the nominal capacity is generally considered end-of-life for batteries in emergency lighting service.

As batteries age, they lose ampere-hour capacity. Even on float charge, it is just a matter of time. In cyclic service it is the number and deepness of the discharge/recharge cycles assuming it is charged properly. There are many factors that come into play. The main one is the depth of discharge, but improper charging and storage can kill a battery. 11 volts is a good cutoff, it is in the knee of the discharge curve (where voltage regulation goes to pot) and you don't get much more energy out of the battery. It may even be too deep if you want long life. 10.5 volts is considered 100% discharged when the battery is under a slight load (1/20th or less of the amp-hour capacity). ~11.6 is the open circuit voltage for fully discharged battery.

As others have mentioned, lead-acid batteries self discharge. If they are left too long, they destroy themselves. The self discharge runs the specific gravity towards that of water and the sulfating action insulates the plates. If the battery sits in the discharged state, the sulfate on the plates undergoes a change, hardening its structure and will not be converted when the battery is recharged. If it sits too long, the battery won't even take a charging current without excessive voltage and is ruined.

If a battery is stored in a discharged state, it has a big head start on the self discharge curve. A lead-acid battery should always be recharged as soon as possible and never stored in a discharged state. While stored, it needs to be charged every so often or kept on float charge.

If the battery is fully charged, the specific gravity of the electrolyte is high and it will not freeze unless the temperature is way below zero (Fahrenheit). In the discharged state, the battery can easily be frozen during a cold snap and is done for. I was replacing a lawn tractor battery every year until I figured out that it was freezing during the winter. Now I charge it after I've mowed the last time and stick it in the basement.

This one has gone through 3 seasons.

When a battery is fully charged and sitting at a constant voltage of 13.8 volts, the current will taper down to a small fraction of the ampere-hour capacity. It can be as low as 1/1000th or 1/2000th of the nominal capacity. Less than 50 ma for a 50 amp-hour battery. If it is drawing two amps at 13.66 volts, it has a ways to go.

One caution on smart charging: low current smart chargers based on the UC 3906 chip generally switch from overcharge mode to float mode when the current tapers down to 1/10th of the constant current rate. For a 1/2 amp charger, this is 50 ma. When a large battery is charged with a low

constant current, it will be fully charged when it gets to the switch point (~14.5 volts) to go into overcharge mode. At the higher voltage of 14.5 volts, it may sit a very long time (maybe forever) in overcharge before the current gets low enough to switch to float. Don't use a smart charger intended for small batteries (like 4 amp-hr battery) on big batteries. The UC 3906 is a great chip but it must be set up for the range of amp-hour capacities that are intended.

True deep cycle batteries have thick plates because the plates shed when they are discharged deeply. Regular car batteries have thinner plates and more of them to get lots of surface area to get a high cranking amperage.

If you compare a true deep-cycle battery to a car battery of the same case size, the deep cycle battery weighs more, has a lower cranking amperage and a lower amp-hour capacity, but it lasts much longer in severe service. In deep cycle service, a car battery won't last many cycles.

73, Rich, N3SLR
bachmann@ari.net

Date: Sun, 18 Jan 1998 20:57:05 -0700
From: "C. Leung" <cleung@cln.etc.bc.ca>
To: qrp-1@Lehigh.EDU
Subject: [1344] FS: Unbuilt 38S
Message-ID: <103110700b0e87ca4383e@[199.60.32.99]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am posting this for a friend who doesn't have access to e-mail.

He has an unbuilt 38 special for sale. He also has a TICK1 keyer chip for this radio. May sell the keyer with the radio. The 38S is open to offers or will trade for a Yaesu 1000. Hi Hi. :-) Please e-mail me direct and I'll tell you how to contact him. Thanks.

cleung@cln.etc.bc.ca
VE7DXJ - Port Hardy, BC

Date: Sun, 18 Jan 1998 20:33:27 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [1345] R2/T2
Message-ID: <3.0.1.32.19980118203327.0068d650@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The R2/T2 conbo is gone...thanks!

Jack, W7PW

Date: Sun, 18 Jan 1998 23:29:51 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: ki7mn@dancris.com, qrp-1@Lehigh.EDU
Subject: [1346] Sooper-Shooter!!!
Message-ID: <34C2E4CF.8A870787@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FYBO, Here I come!!

Had the plans from Bob's web page for a while, but just went down to wally-world & got the parts. Easy kit, & it works really GREAT!! (insert Tony the tiger's words here)

See www.dancris.com/~ki7mn/

Sure beats tying a string to the handle of a crescent wrench & playing David & Goliath!!

Thanks for the plans Roger!!

cuall

Tim W5FN

Date: Mon, 19 Jan 1998 06:12:14 -0500
From: mikemo@ibm.net

To: qrp <qrp-1@Lehigh.EDU>
Subject: [1347] Receiver troubleshooting help needed
Message-ID: <34C3350E.1B20@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

During all the anguish of trying to get the receiver section of my NW80/20 kit to work, I took a break to get the fox. Nabbed him after an hour of an unreadable sig. He popped his head up with 5 min left.

Anyway, I just finished building the receiver section of the NW80/20 kit for 30 meters from Dan's. First a word of warning, this kit is not a good first timer! The install instructions are good, but there is no theory of operation, many mistakes on the silk screen, traces missing on the board, and the schematic has been copied so many times it is almost impossible to read.

Here is my problem. I triple checked all components and went over the soldering with a magnifying glass. Looks ok. Power on and get hiss, but no signals whatsoever! I think I understand the circuit. The first NE612 mixes the antenna sig with the vfo. The 4 12 mhz crystals in series filter out all but the 12 mhz sig into the MC1350, which is an IF amp. Then the amplified IF is sent to the last NE612 and mixed with the BFO for detection.

The question is, how do I troubleshoot this circuit, without "shotgunning" parts. I'd really like to understand what is wrong. I have a 100Mhz o-scope, freq counter, DVM, and audio sig generator. What steps should I take to go through the sections and find the fault? Do I need an RF generator to feed the input?

Just for reference, the VFO covers 1.850 to 1.885 with an IF of 12Mhz.

Thanks for any help!
72 de kf4trd
Mike Maiorana

Date: Sun, 18 Jan 1998 21:49:02 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1348] Re: 2n2: 40 m DSB XCVR complete in VA
Message-ID: <Pine.SOL.3.91.980118214203.15145C-100000@zia>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 18 Jan 1998, Ralph L. Irons wrote:

> Finally, the 40 m 2n2222 double sideband transceiver is complete.
>
> Two weeks ago, I added a 2n2222 VFO ...
>
> For the receiver, I built a simple direct conversion circuit, using the
> 2 - 2n2222 audio amplifier ...
>
> Yesterday, I finally replaced the TUF-1 mixer with a home-brew
> singly-balanced mixer ...
>
> Thanks again, NORCAL!
>
> 72, Ralph N7RI
> Charlottesville VA

Gads ... I'm impressed! Excellent job, Ralph. Between your rig, and the 2N2222 one by Steve in the last QRPP, the rest of us have a couple of great rigs to look up to. Thanks for sharing it with us.

72, Paul NA5N

Date: Sun, 18 Jan 1998 22:36:40 -0500
From: "Craig Lund" <clund@bestweb.net>
To: <qrp-l@Lehigh.EDU>
Subject: [1349] WTB Vintage 50's or 60's ARRL Handbooks
Message-ID: <199801190344.WAA07123@miro.bestweb.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello, All:

I am in the market to buy several years worth of ARRL handbooks. I would like a copy of several different years for my own private collection

If you have any copies from the 50's or 60's in good readable condition. Please Email me with any reasonable offers.

Thank you

73s

Craig

Date: Mon, 19 Jan 1998 13:39:05 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [1350] Yet another question
Message-ID: <19980119133903.AAA15611@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is another question for all of you technical gurus. I have a problem with limited space in a rig and would like to use a pair of tandem/ganged potentiometers. I have a just such a pair but of course both values are too high. Can I put in a parallel resistance to lower the value and if so how will it affect the performance of the pot (linearity, etc.)

Thanks one again for your patience and help.

73 Bob

Date: Mon, 19 Jan 1998 11:26:33 +0000
From: R00 <R00@kanga.demon.co.uk>
To: david.gauding@bbs.galilei.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1351] Re: Foxx 2 Xcvr
Message-ID: <XSlsSjAphzw0Ew6M@kanga.demon.co.uk>
MIME-Version: 1.0

In message <1.5.4.32.19980118161225.00933a48@bbs.galilei.com>, David Gauding <david.gauding@bbs.galilei.com> writes
>GM Gang,
>
>Wondering if anyone has built the Foxx 2 xcvr as updated by G3RJV in Sprat 91?
>
>All comments, suggestions sincerely appreciated and thanks in advance!

Hi Dave and all,

I have built several and had great fun with them, they work.

But then I am biased, I sell the kit.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East.
Folkestone Kent CT18 7EG.
Tel / Fax (44) (0) 1303 891106

<http://www.kanga.demon.co.uk>

Date: Sun, 18 Jan 1998 22:06:01 -0500
From: "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [1352] Even my email is in morse
Message-ID: <3.0.32.19980118220557.0068f6d4@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Checking the headers on my email(you DON'T?) I find one of my
ISP's(concentric.net) email servers is named morse.concentric.net. Ain't
that a hoot?

72 de N8PVZ

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@qsl.net <http://www.concentric.net/~n8pvz/>
We are QRP. Resistance is futile. You will be assimilated

Date: Mon, 19 Jan 1998 07:06:15 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [1353] Keyers w/Analog Speed Control?

Message-ID: <34C35DD7.4014@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I want to build a keyer that I can control the speed via analog/pot & also has adjustable weighting function ...I've got the K8EL and TiCK keyers...There great for compactness, low current drain and many great embedded functions plus memories BUT no weight or analog speed controls. AND It really bugs me and seems 'silly' to have to ask the other station to "AS" while you change your speed to his via 'commands' to the keyer chip. Please!... Give me an analog pot w/knob! Guess I'm an old fashion nut and like to keep my hand on the speed pot. So...the question is - are there any Curtis keyer chips still kickin' around for reasonable price or is there another device to replace it?

TU Steve

--

CUL Steve/n0tu . .

Solar powered QRP/CW

"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Mon, 19 Jan 1998 11:01:16 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Cc: Laurel ARC <larc-1@webtrek.com>, eax@w3eax.umd.edu
Subject: [1354] DX-Mania!, and REALLY cool propagation
Message-ID: <Pine.LNX.3.95.980119103339.13098A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On the way into work, on 10.104, I copied 8Q7AA working JAs. N4CC (who's probably sticking his chest WAAAAAY out with pride right about now :) finally got through, as did a few others.

I guess the 3w, and then 50w, I tried just wasn't enough when coupled with the Screwdriver antenna. The copy was quite light, but I'm proud to say I heard these distant emissions.

When I got into work, I checked the OH2BUA webcluster and people reported that he'd disappeared from 30 and was now working 20 SSB, calling USA via long path. For the heck of it, I ran out to the car and listened on 14.195...What's scary was that he was pretty darned loud, but the wolves had already been unleashed via the DX clusters (people wonder

why I don't really like them much...) and even at 80w I had no chance.

Anyway, it was still pretty cool. It's not as far as Perth, Australia (about 10k miles instead of 11,500) but still pretty neat, and NEXT time, they're mine.

Another interesting ovbservation:

Pointing west during late afternoon from the U of Maryland shack, on 20m, and calling CQ, through the magic of full QSK and a 6 element tribander at 110 feet, I'd play with power levels...

At 40 watts or greater, pointed seemingly in exactly one direction, a dit or dah was followed by a weak echo of exactly that! Below 40 watts, nothing was audible as echo. The radio used was an Icom 736, and this was heard by three of us assembled. The time delay enountered was significant (i.e. like 1/10 second) and, as we all know, once around the earth for EM waves is about 142 mS.

Unfortunately, I did NOT get to turn the beam around to see if was a bidirectional path or possibly a very distant HF backscatter. At any rate, it was a really, really cool thing to hear yourself, either having made a 25,000 miles round-the-world voyage or bounced off the Indian subcontinent and backscattered back to the sender.

Any similar experiences?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Mon, 19 Jan 1998 08:10:02 -0700
From: Andy Fox <foxes@theriver.com>
To: n0tu@webaccess.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1355] Re: Keyers w/Analog Speed Control?
Message-ID: <34C36CCA.C524566A@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Steve,

I use a KC-1 from Wilderness Radio. I like it a lot. The speed control is a pot - the weighting is via paddle commands. It's about 50 USD.

Wilderness' KC-1 Page:

<http://www.fix.net/~jparker/wilderness/kc1.htm>

Another Description:

<http://qrp.cc.nd.edu/QRP-L/catalog/kc1/kc1.html>

A nice picture:

<http://www2.polar.net/~bhopkins/kc1.html>

73

--

Andy Fox, KK7HV

<mailto:foxes@theriver.com>

<http://personal.riverusers.com/~foxes/>

Date: Mon, 19 Jan 1998 07:28:15 -0500

From: Peter_Simpson@3com.com

To: qrp-l@Lehigh.EDU

Subject: [1356] You guys are great!

Message-ID: <85256591.0044440A.00@hqoutbound.ops.3com.com>

Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii

What a group. Last week, I was looking for a bit of information on an antenna and a source of extruded enclosures. I got no less than three detailed responses from list members on each topic.

Every time I read this list, I learn more. Thanks, gang, for being so willing to share your knowledge, and for keeping the list S/N so high!

72,

Peter, KA1AXY

Date: Mon, 19 Jan 1998 09:46:09 -0600

From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Subject: [1357] RE: Graphics output from CAD programs (somewhat long)
Message-ID: <3.0.3.32.19980119094609.006c2088@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

qrp related in how to get schematics out to the qrp hoards.
probably the most versatile way of getting graphics from a CAD program to a bit-mapped format suitable for publishing on the web (or newsletters) is to output a file in an vector format, and then import that into whatever drawing program you're interested in, and after you've touched it up all you want, export it to a bit-map (or another vector) format.

the advantage of doing this is to make use of all resolution your final bit-mapped device can offer. if your screen output is 75 dpi, doing a screen capture and then printing to a 300 dpi device, will still only give you 75 dpi's worth of information - you get "jaggies" showing the limit of the resolution. once a file is in vector format, you can output from your drawing program at one resolution for say web-graphics (maybe 640x480 overall), and another resolution (say 1280x960) for output to a file for a newsletter.

how to do this will vary on the exact packages you are using. I now use Labcenters ISIS/PCB for the schematic/pcb design, DOS based but works nice. It can "print" in either of 2 different vector formats - Postscript or HPGL (plotter language). I tell it to "print" to a file in Postscript. I then go to my drawing program Corel Draw, and import the Postscript file. Corel Draw is a vector based drawing program, but can export bit-mapped graphics. I touch up the image as I wish, then export to a bit-map format - Either TIF, GIF, or JPEG depending on the intended target, picking the resolution I want/need, balancing size and detail.

BTW - I see that lots of people are using JPEGs on the web for line-drawing type images, such as schematics or PCBoard pattern - for these images you'd be better off using GIF or TIFF formats (I wish browsers would support TIFF directly and yes, I know about some of the legal questions). If you look closely at line drawings compressed by the JPEG protocol, you will see shadowy type halos around the lines, these are artifacts from the compression method, a lossy method which was designed for continuous tone photo type images. If you use TIFF, GIF, (maybe PNG as well), you will not get these artifacts. JPEGs do work, but I think you should use the right tool for the job.

If you look on my web page,

<http://genome33.ped-gen.uiowa.edu/hamradio>

I have a few examples of things exported from a vector based drawing program (CorelDraw). They are the ISIS Schematic, the WAS Map, the QSL card. Nothing fancy.

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
      Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Mon, 19 Jan 1998 06:27:04 EST
From: kf2ew@juno.com (David M Kopacki, Sr.)
To: DBrown@RFMD.com
Cc: qrp-l@Lehigh.EDU
Subject: [1358] Re: Sierra Output Transformer
Message-ID: <19980119.061744.8887.4.kf2ew@juno.com>

Derek, I don't think it is a published mod. Bob at Wilderness provided the general info. Clark Fishman and I made the mod on my Sierra. You should have info in another email message...

Mike, KF2EW

On Sun, 18 Jan 1998 11:48:01 -0500 Derek Brown <DBrown@RFMD.com> writes:
>In a response to one of my previous inquiries, someone mentioned
>converting an output choke (on his Sierra) to a transformer to
>increase the transmitter output. Can anyone provide details or point
>me to an appropriate URL for this mod.
>
>Derek Brown
>Greensboro, NC
>dbrown@rfmd.com
>
>
>
>

Date: Mon, 19 Jan 1998 10:37:14

From: Steven Weber <kd1jv@moose.ncia.net>
To: mikemo@ibm.net
Cc: qrp-l@Lehigh.EDU
Subject: [1359] Re: Receiver troubleshooting help needed
Message-ID: <3.0.3.16.19980119103714.2df72472@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
> traces missing on the board,
>
> Power on and get hiss, but no signals whatsoever! I think I understand
the >circuit.
>
> What steps should I take to go through the sections and find the fault?
Do I >need an RF generator to feed the input?
>
HI Mike,

An RF signal generator sure would speed up the trouble shooting. I suspect
the statement about the quality of the pcb is the clue to your problem. In
addition to the missing tracks, I bet there are also cracks in the tracks
and you have an open track someplace. (Common problem with boards made by
FAR, sad to say)

Check the continuity of the tracks with an ohm meter and I bet you will
find the problem. My guess is you will find it some where between the
antenna and the IF amp.

If that is not the problem, then you'll need the signal generator for sure.
There might be a tuned circuit which is way out of wack.

Good Luck,

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 19 Jan 1998 11:11:34 EST
From: Shephed <Shephed@aol.com>
To: 70511.3041@Compuserve.com
Cc: QRP-L@Lehigh.EDU
Subject: [1360] Re: N/T+ Fox for 1/19/98
Message-ID: <20a1fd63.34c37b38@aol.com>

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks Doc,
My old Yaesu works real great at QRP levels, sometimes better than full power.
:-)
You came booming out of the blue here too, had a great signal on ya.
I'm glad the portable setup worked out for you.

I had 11 contacts and 2 not partials.
My setup is a Yaesu FT-101EX @ 5 watts, MFJ Versa Tuner II, and a converted 11
meter vertical. (the best use this antenna has ever seen) :-)

I appreciate the kind words, I'm learning a lot as I go and having fun. Man,
if I could do this for a living I would be the happiest man alive. I'll get
back to you on this. Hi

72, 73
Dan, N8VZU
QRP-L #1404

Date: Mon, 19 Jan 1998 11:11:55 -0500
From: "Ken Hanks" <kennfd@ibm.net>
To: <n0tu@webaccess.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1361] Re: Keyers w/Analog Speed Control?
Message-ID: <01bd24f4\$f677abe0\$LocalHost@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve:

Take a look at the CMOS Super Keyer III from Idiom Press.

6 memories in 3 banks (18 total)
Incremental Serial numbers
Imbedded functions in messages
Speed is set from a pot and you can set the range via the paddles
Adjustable weight
Curtis A or B as well as 8 other emulations
Many other features

About \$60 for the kit. You supply jacks, switches, and box. They usually

advertise near the back of QST.

I don't have their address handy, but if you need it, just e-mail me.

I know severall other list members are also using this keyer. Lots of bang for thebuck and pretty easy to assemble.

Usual disclaimers apply.

73,
Ken K1XS@ibm.net

Date: Mon, 19 Jan 1998 09:24:33 -0700
From: Niel Skousen <nskousen@scientechnology.com>
To: kt3a@juno.com, qrp-l@Lehigh.EDU
Subject: [1362] Re: Military NVIS antenna - crossed inverted vees?
Message-ID: <3.0.3.32.19980119092433.007f2990@eaglerock.if.scientechnology.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Cameron, the low antenna was made by a company called Eyring Research. I worked on the antenna and will be happy to provide any input/insight if interested. Also know where a few of the commercial variants can be found relatively cheap ..

Niel

At 10:34 AM 1/17/98 EST, you wrote:

>The antenna is similiar to the broadband dipole made by B&W in
>that it is broadband. The end device is a resistor. I don't remember
>the value, but I can research it if someone really needs to know.
>The NVIS function is due to the close proximity to earth.
>
>Also, there is a neat antenna made for the lower bands, 80m and
>below that is tactical in nature and only 1 foot off the earth.
>I can believe this was made just for military opearations too.
>It looks like a giant bow tie with 3 elements configured as a folded
>dipole.
>It would make a nice tripping hazard for the wayward field day op, who is
>groggy from hours of operating. Hi.
>
>72,
>Cameron C.R. Bailey <>> KT3A, QRP-L #7
>QRP-ARCI Board of Directors Member

>QRP Society of Central Pennsylvania
>Mount Wolf, PA
>kt3a@juno.com

>

>On Sat, 17 Jan 1998 07:58:21 -0500 K4AHK@ix.netcom.com writes:

>>I have had one of these military antennas for a couple of years but
>>have

>>never used it. It is missing the bottom connection gizmo. It seems
>>that there are a lot of these antennas around that do not have the
>>connector. If anyone comes up with info on how to make one, I would
>>surely like to see it.

>>

>>Bill - K4AHK

>>

>>

>

>

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG/NUSI

208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID

nskousen@scientech.com WA7SSA QRP-L.119

Z-----DN33wm--- . . . -

Date: Mon, 19 Jan 1998 11:24:07 -0600

From: Bob Liesenfeld <wb0poq@visi.com>

To: qrp-l@Lehigh.EDU

Subject: [1363] Re: Receiver trouble shooting

Message-ID: <34C38C37.465EE0F5@visi.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Mike wrote:

>The question is, how do I troubleshoot this circuit, without
>"shotgunning" parts. I'd really like to understand what is wrong. I have
>a 100Mhz o-scope, freq counter, DVM, and audio sig generator. What steps
>should I take to go through the sections and find the fault? Do I need
>an RF generator to feed the input?

Hi Mike,

I have heard of this kit, but not seen it, so bear with me :-)
I would first check all Vcc points for proper voltage. Next check all gnd paths
(stuff doesn't work without power :-))

Assuming that checks, we need to 'divide & conquer'. Inject a 1KHz tone from

your generator at the top of the volume control. If you get a nice loud "beep" from the speaker/headphone, the problem is upstream from there.

Check the output of the BFO ckt for a signal with your scope. (If you have a probe that does x10, use it).

Do the same on the osc ckt for the first mixer. Be aware that even a 100 MHz scope may not show a perfect sine wave at this point: you are just doing a go-nogo test here.

Assuming all this checks out, I would recommend building a signal injector. This can be nothing more than a 555 timer ckt producing a nice 100KHz square wave, which will be rich in harmonics to the point where you can use it as a go-nogo tester from input to output of each RF stage.

Another very powerful tool is if you can lay your hands on a properly functioning kit and make comparative measurements. I call this 'a stare and compare'

If you want, you can e-mail or snail me a copy of the skez, and I could talk you through some more detailed steps.

72

Bob 'POQ

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld

wb0poq@visi.com

Date: Mon, 19 Jan 1998 08:31:25 -0800

From: Monte Stark <ku7y@sage.dri.edu>

To: ham@w3eax.umd.edu

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [1364] Re: DX-Mania!, and REALLY cool propagation

Message-ID: <34C37FDD.1AF5@sage.dri.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Scott Rosenfeld [NF3I] wrote:

>

> On the way into work, on 10.104, I copied 8Q7AA working JAs.

That would be a good catch.....I'm still looking for that country!

>

> Another interesting ovbservation:

>
> At 40 watts or greater, pointed seemingly in exactly one direction, a dit
> or dah was followed by a weak echo of exactly that! Below 40 watts,
> nothing was audible as echo. The radio used was an Icom 736, and this was
> heard by three of us assembled. The time delay encountered was
> significant (i.e. like 1/10 second) and, as we all know, once around the
> earth for EM waves is about 142 mS.

Yes, you hear this very often when beaming short path and long path is
working. On 40m it can be so pronounced that it makes keying hard!

If you have an antenna that moves, swing it 180 degrees when you hear
these echos and the DX will be much louder!!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Sun, 18 Jan 1998 22:28:13 EST
From: MSU1972 <MSU1972@aol.com>
To: KF4EIB@aol.com
Cc: qrp-l@Lehigh.EDU, K1EL@aol.com
Subject: [1365] Re: Keyer
Message-ID: <b68c63ba.34c2c850@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gordon

Following is info on K8+ keyer by Steven Elliott - K1EL. The more I use the
Altoids tim keyer...the more impressed I am. To think I spent \$40.00 on a
code practice generator and its now all in my keyer for \$14.00 (or \$6.00 if
you mount in rig and don't need the board).

David

URL: <http://members.aol.com/k1el/index.html>
Steven T. Elliott K1EL
7 Carleton Rd.
Mont Vernon, NH 03057
e-mail: K1EL@aol.com

Hope this helps...

Date: Mon, 19 Jan 1998 11:47:42 EST
From: K5BDZ <K5BDZ@aol.com>
To: n0tu@webaccess.net, qrp-1@Lehigh.EDU
Subject: [1366] Re: Keyers w/Analog Speed Control?
Message-ID: <8b0efd4.34c383b0@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Steve

I have a number of keyer kits with all parts and instructions but WITHOUT 8044ABM chips...if you have the chips, I'll sell you one or all CHEEP...and I do mean CHEEP!! Also have a number of PC boards only (includes silkscreened parts placement on all PC boards) to any group interested. All PC boards are small for QRP build-in, but all PC boards have output holes to include any and all Curtis designed chip functions in addition to speed...i.e. weight control, "A" or "B" keying, metered speed readout, outboard amp for speaker, etc. Let me know if this fits your needs.
Bill, K5BDZ

Date: Mon, 19 Jan 1998 08:56:02 -0800
From: Bill Todd <bill@techline.com>
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU
Subject: [1367] Monday Night NWQ Net Moves!
Message-ID: <1.5.4.32.19980119165602.0071fdbbc@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been notified that the 10.123 freq. for the Monday evening NorthWest QRP Club net on 30 meters has become fairly unusable because of continuing QRM from the digital droids.

So, we will move down freq to between 10.120 to 10.122 until further notice.

Brian, W7DFO from Seattle, is the NCS for the Monday evening 30 meter net, and he has recently improved his antenna - so he should be fairly easy to hear from most corners of the country.

CUL, Bill-N7MFB
NW QRP Club Pres.

Date: Mon, 19 Jan 1998 12:02:04 EST
From: kt3a@juno.com
To: malman@BBN.COM
Cc: qrp-l@Lehigh.EDU
Subject: [1368] QRP Testimony
Message-ID: <19980119.115134.5415.9.kt3a@juno.com>

Hi Joel!

Yes, I cut my contesting teeth on the ARRL VHF contests, used SSB and CW. Even as an Extra, I did not do HF contesting until I tried my hand at Field Day (not a real contest) and then later, the wonderful QRP contests. I then believed I could not do QRP because I had poor antennas. So, I thought I would be proud if I could just hear and work a QRP station. I used to listen and listen and listen for QRP stations on the

"QRP" frequencies. Well, one day, I thought I would try to hear some during a QRP contest and low and behold, there they were. As a teen I wanted into amateur radio, but code was the block for me. Spent lots of time listening to shortwave and utility freqs which would pay off later for my QRP listening skills. The Fox hunts are a great place to get that skill. It was not until I hooked up with an Elmer, W3AXC, who taught me the code in a week. (Now this guy was a Technician class at the time!)

My first draw to QRP was the neat "little" rigs I saw. Always wanted one of the Heath HW rigs, but it was not in my budget as a teen or young adult. I got my first solid state rig and was able to throttle it down to 10 watts, and gave it a try and actually worked several stations. Then I had to be "officially" QRP and got the rig down to 4 watts. I've been doing this with compromised antennas ever since. I love going into the field because there, I get to use a "real" antenna, hi.

Cameron C.R. Bailey <>< KT3A, QRP-L #7

QRP-ARCI Director
QRP Society of Central Pennsylvania
Mount Wolf, PA
kt3a@juno.com

Date: Mon, 19 Jan 1998 12:14:37 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1369] BACK ON QRP FROM APARTMENT!
Message-ID: <Pine.SUN.3.96.980119121118.3553A-1000000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I finally got another wire in the air yesterday. Hopefully, this one will out last the squirrels' teeth for a week or two.

I made my first qso with my recently assembled OHR-100 for 30 meters this morning - wa9mtk, IL.

Listen for me on 30 meters with this neat little 4 watt rig, on on the other bands with my venerable FT-7.

72/73
Mike

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Mon, 19 Jan 1998 12:21:54 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1370] ANYBODY GOT AN EXTRA KC-1 FS?
Message-ID: <Pine.SUN.3.96.980119121816.3553C-1000000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would like to find one to interface with my OHR-100 in order to take advantage of the cw frequency read-out. It will be very helpful since I cannot see conventional displays.

I prefer an assembled and fully functioning unit, but have help available for kit construction.

72/73

Mike

AMATEUR RADIO STATION K 5 X U

Jackson, Mississippi

Date: Mon, 19 Jan 1998 10:02:42 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [1371] Tuna Tin 2 PCB Layout Available
Message-ID: <3.0.1.32.19980119100242.00d27120@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have the PCB layout for the Tuna Tin 2 transmitter that was originally designed by Doug DeMaw, W1FB and updated to modern, available parts by Dave Meacham, W6EMD finished. It is a Circad file, and a demo version of Circad is available from Holophase for downloading. If you would like the Circad PCB file please email me and I will send you one as an attached file. Also, if you would like the updated Tuna Tin 2 schematic, please ask for that file also.

I will be writing an article for QRPP, QQ and the NorCal Web page which will feature the Tuna Tin 2 series of rigs that appeared over 20 years ago in QST. Glen Torr, VK1FB (now that is a scary coincidence) has volunteered to update the Herring Aid 5 Receiver, and Bruce Muscolino, W6TOY is doing the same for the CB Slider VFO. I need one more volunteer to do the Codzilla Amp from Feb. 1977 QST, and we will be in business.

The plan is for the volunteers to update the other circuits to modern components, I will redraw the schematics and insert the new parts. Then I will lay out boards to fit the new parts. When all of this is finished, the files will be made available in Circad, so that you may get them and print out your own copies and make your own boards. NorCal will also get Far Circuits to do boards so that they will be easily available. No kits on this one, because it is so simple to do. The internet is a very powerful tool, and I think that this project is an excellent example of how it can be used. Just think, the idea was sparked by a posting on QRP-L, I posted to QRP-L that I wanted volunteers to do the engineering to convert the old schematics to modern parts, and we will use the net to send files out to those who want them. By the way, there is quite a bit of interest in this project, and I have sent out about 2 dozen of the TunaTin2.sch

files for circad.

This is the type of tribute that I like for Doug DeMaw. I have to think that he would be very pleased to see his design carried on in this manner. Just think, a whole new group of Tuna Tin 2 rigs are going to hit the air soon. When you look at the whole series, the transmitter, the Herring Aid 5 receiver, the CB Slider VFO and the Codzilla Amp, there is a huge amount of learning that will take place by building the series. For those of you who have the back issues or CD Rom by the ARRL, here is the information to look up the original articles:

Tuna Tin 2, May, 1976

Herring Aid 5, July, 1976

Codzilla, Feb., 1977

CB Slider, Mar., 1977

Have a good day. 72, Doug, KI6DS

Date: Mon, 19 Jan 1998 12:02:40 -0600
From: wmcshan@REX.RE.ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [1372] BuzzNot in OHR100a?
Message-ID: <v01540b00b0e94205940d@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

G'day all,

I just built a 40 meter OHR100a - very nice rig, easy construction and alignment (well, I did have to jury-rig a 10X probe for my frequency counter). All works as advertised.

However, I have one problem. We have intermittent electrical noise in our area that I haven't been able to track down yet. The noise blanker on my Yaesu knocks it out very effectively, but alas, the poor OHR100a is overcome. Has anyone integrated the Wilderness Buzznot into one of these rigs? Please let me know if you've successfully done it.

On an unrelated note, I take my extra class exam tonight. My code seems solid, but you never know what will happen when the old N...N...NERVES kick in :-). Anyway, keep me in mind. If you have any kind words of advice, send 'em this way. If you have any other kind of advice, send 'em to another reflector! ;-)

72/73,
Mike N5JKY
Edmond, OK

Date: Mon, 19 Jan 1998 18:05:43 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1373] Antenna Question: Better Bazooka?
Message-ID: <34C395F7.5F36@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good Morning everyone.

Had a nice qso with JC, KH0PS/6. He's using a modified Bazooka antenna. In fact he has two bazooka's crossed and the coax phasing line is 1/8 wavelength in FREE SPACE instead of 1/8 wavelength shortened by the coax velocity factor. (These are per/leg measurements). The physical dimensions remain 1/2 wavelength, center fed dipole.

One other significant change that JC has, is instead of feeding the Bazooka Antenna at each shield location, he is feeding the Center of one leg, shield of the other, and cross connecting the remaining center/Shield of the dipole coax.

So I am curious, Is the original 1968 Bazooka Antenna, invented at MIT for Broadband RADAR use, acceptable as-is, or can someone Model or measure the response of JC's modified Bazooka Antenna?

I'm very curious. I Hope to test this out and will probably build the MIT Bazooka first.

Probably be good for Fox Hunting. Better aim high though, the Bazooka Antenna might damage that pelt!

72/Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Mon, 19 Jan 98 13:03:46 EST
From: Bill Acito 19-Jan-1998 1302 <acito@asdg.ENABLE.dec.com>
To: -qrp@us1rmc.bb.dec.com
Cc: acito@asdg.ENABLE.dec.com
Subject: [1374] Pixie on 30m?
Message-ID: <9801191803.AA04814@us1rmc.bb.dec.com>

Anyone put a Pixie on 30m? Can I assume I can go into the
ARRL Handbook and pull out a standard 10Mhz Pi filter for the
output?

b

. - I own my own words -
Bill Acito acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

Date: Mon, 19 Jan 1998 11:11:27 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [1375] FYBO 98 / NA CW Sprint Collision
Message-ID: <199801191811.LAA01778@usr01.primenet.com>

tough, right? ;-)

I promise this *won't* happen again!

Please let me know. My snowcamping trip was fun, even
managed a QSO between AB7TT/QRP/P - N0TU/QRP/M. :-)
Full story to follow!

Thanks for your support. Only three weeks to FYBO!!!
Comments/ideas encouraged!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 19 Jan 1998 11:14:01 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-1@Lehigh.EDU
Subject: [1376] CQC Banquet Change of Location
Message-ID: <199801191813.LAA11074@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The CQC Banquet is moving to a different location! Actually it's just a different Country Harvest Buffet, and not far away from the original.

The Banquet will be on Saturday, January 34th, at 6pm at the Country Harvest Buffet, 740 Peoria St., in Aurora. From I-225 take the 6th Avenue Exit west and go one mile to Peoria St. Turn right (north) then immediately turn right into the shopping center. The restaurant is in the northwest corner of the shopping center next to the traffic light (which is an exit only).

More info and details on the web page--
<http://www.mtechnologies.com/cqc/cqcevent.htm>
or contact Banquet Chairman Brad (Kb0ROL) via email at:
kb0rol@juno.com

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Mon, 19 Jan 1998 10:30:25 -0800
From: Bill Todd <bill@techline.com>
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU
Subject: [1377] Re: Monday Night NWQ Net Moves!
Message-ID: <1.5.4.32.19980119183025.0071d7b4@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>At 10:30 AM 1/19/98 -0700, N0TU (Steve) you wrote:
>>Hey Bill what's the time for the net? TU Steve

>Golly Steve - I DID manage NOT to list that...didn't I ? (ha ha).

>

>The net is at 6PM PST on 10120-22. Our 3710 80 meter net is at 6:30 PST.
Thanks for pointing that out to me. I am the NCS on the 37810 Net.

>

>As I have said numerous times, when I REALLY get my act together,
>I will send out a national announcement!

>CUL, Bill-N7MFB

Date: Mon, 19 Jan 1998 11:40:13 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Cc: vole@primenet.com
Subject: [1378] FYBO 98 / NA CW Sprint Collision
Message-ID: <199801191840.LAA02145@usr08.primenet.com>

[Hmmm.... Mailer freaked on me - let's try this again...]

Howdy Folks,

Well nuts. When picking a good date for FYBO, I checked
several contest calendars on the Web. Since I was doing

this many months ago, most of the calendars only had the names/dates of Feb '98 events, not the rules.

The problem? The N.A. CW Sprint was listed as Feb 8th on every calendar. I Chose FYBO for Feb 7th since the day looked clear. Can you see this coming? Wish I had. :-)
Yes, the NA CW Sprint starts at 0000 *UTC* Feb 8th, which is Saturday evening. SHEESH!

So during the last 4 hours of FYBO, we'll be in the middle of the NA CW Sprint too.

Don't know how bad of a problem this will be, but I have an idea. *IF* the QRM from NA CW is overwhelming, why not head up to the safety of the Novice freqs? Again, that's *if* the QRM is overwhelming. We could agree on an area (figure 80m/40m will be the only good bands that time of day) - I've found 7135-7150 to be free of BC SW.

What do you think? Is that a good emergency backup? If the QRM isn't too bad, we can just slug it out like we always do on the Fox Hunts. Heck, all those nights of Tuner-Uppers and SSB drug smugglers have made us pretty tough, right? ;-)

I promise this *won't* happen again!

Please let me know. My snowcamping trip was fun, even managed a QSO between AB7TT/QRP/P - N0TU/QRP/M. :-)
Full story to follow!

Thanks for your support. Only three weeks to FYBO!!!
Comments/ideas encouraged!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 19 Jan 1998 13:42:11 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1379] Re: Keyer wiring convention
Message-ID: <725f2e57.34c39e92@aol.com>

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang...

I haven't been following this thread very closely but it did bring up a question in my mind. Recently I purchased a new MFJ keyer and the 564 paddles. The paddles were used and came wired with an 1/8" stereo plug. However, the MFJ keyer has a 1/4" jack for key input. I followed the keyer's manual on how to wire the paddles up and following them I equipped it with the necessary 1/4" plug. When I tried it for the first time the right paddle was set to deliver Dits and the left Dahs. Just backwards from what I expected from the manual instructions.

Now the question is: What is the conventional configuration: right paddle for dits or is it for dahs.....? for a right handed operator.

Thanks all.....

Denny / KF6NJQ

Date: Mon, 19 Jan 1998 13:53:04 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [1380] AC/DC inverter?
Message-ID: <Pine.GS0.3.96.980119134701.886A-100000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello.

I picked up some backlit LCD displays for my all band transceiver project.

They are SEIKO L1632/L1672 and have electroluminescent lamps.

The spec sheet lists a Seiko 5S inverter. It inverts 5VDC to 100vac at 2mA max.

I can't find any of these...Has anyone made AC/DC invertors.
Any suggestions on circuits or components to supply this voltage?

73,

Jim N2GO

The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Mon, 19 Jan 1998 11:08:30 -0800
From: Derek Brown <DBrown@RFMD.com> (by way of Jerry Parker <jparker@fix.net>)
To: qrp-l@Lehigh.EDU
Subject: [1381] Sierra Mods
Message-ID: <2.2.32.19980119190830.00be97d4@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've heard about a Sierra mod which involves converting an output choke to a transformer to increase transmitter output. Can you provide details or point me to a URL?

Derek Brown, WF4I
Greensboro, NC
dbrown@rfmd.com

Date: Mon, 19 Jan 1998 10:56:07 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1382] Re: Antenna Question: Better Bazooka?
Message-ID: <34C3A1C7.6405@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> So I am curious, Is the original 1968 Bazooka Antenna, invented
> at MIT for Broadband RADAR use,

Hmmmm, interesting.....

In 1953 it was common to make a dipole out of coax by cutting the shield at the center of a half wave piece. Connecting the feed line to to each side of the shield. At the ends the center conductor was connected to the shield.

After taping everything, it was stuffed inside the driven element of a yagi.

The name for that was a Bazooka feed!!

So MIT sure didn't use a new name for their new antenna!!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Mon, 19 Jan 1998 11:59:01 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [1383] NEAR Spacecraft visable Jan 22-23
Message-ID: <Pine.SOL.3.91.980119114916.2557B-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am forwarding this to the group for those amateur astronomers and others interested in science. Basically the NEAR spacecraft (which monitors asteroids and near earth objects) will be visable to the naked eye and an event interesting for some to see. Table of locations and times at end of the press release (which I actually truncated about 80% of).

Paul NA5N

Date: Mon, 19 Jan 1998 10:05:52 -0700 (MST)
From: Dave Finley <dfinley@arana.aoc.NRAO.EDU>
Public Affairs, National Radio Astronomy Observatory
Subject: 1st INTERPLANETARY CRAFT VISIBLE TO NAKED EYE VISIBLE ON JAN. 22-23

THE FOLLOWING RELEASE WAS RECEIVED FROM THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY IN LAUREL, MARYLAND, AND IS FORWARDED FOR YOUR INFORMATION. Steve Maran, American Astronomical Society

NASA's Near Earth Asteroid Rendezvous (NEAR) spacecraft, built by The Johns Hopkins University Applied Physics Laboratory (APL) in Laurel, Md., will become the first interplanetary spacecraft to be seen with the naked eye when it swings by Earth Jan. 22-23. The spacecraft's solar panels will reflect the sun's rays onto the Earth in a greeting as it flies by for an adjustment of its trajectory to correctly align the spacecraft for a rendezvous with asteroid 433 Eros, its mission target.

Late Thursday, Jan. 22, the spacecraft approaches Earth over the Pacific Ocean traveling at about 20,000 mph. Because the United States will be in darkness as NEAR approaches, if there is no cloud cover, several geographic areas will be able to see the sun reflecting off the spacecraft's solar panels, which will act as large mirrors. These sunglints will be visible on the East Coast, Friday, Jan. 23, at about 1:30 a.m. EST and the West Coast at about 1:45 a.m. EST (Thursday, 10:45 p.m. PST).

<major snip>

Areas Most Likely to See NEAR's Sunglint:

Region (Friday, Jan. 23)	Sunglint Time
s. New England, e. New York*	1:25 am EST
Midwest (s. Ontario, Detroit area)	1:26 am EST
Midwest (Chicago & Kans. City areas)	12:26 am CST
s. Nebr., n. Missouri, central Illinois	12:28 am CST
s. Indiana, Cincinnati, W. Va.	1:28 am EST
e. Virginia, DC area, Md., s. Penn.*	1:29 am EST
Central Va., central N. Car., S. Car.	1:30 am EST
Georgia, (again) central & e. Tenn.*	1:31 am EST
Georgia, Florida peninsula	1:32 am EST
Florida peninsula (again)*	1:33 am EST
Louisiana*	12:35 am CST
eastern Texas*	12:37 am CST
San Angelo to Lubbock, Texas	12:39 am CST

Region (Thursday, Jan. 22)	Sunglint Time
Colorado*	11:27 pm MST
s. New Mexico, s. Arizona	11:39 pm MST
southern California*	10:40 pm PST
southern Nevada	10:41 pm PST
Utah*	11:41 pm MST
central Calif. (Fresno area)	10:43 pm PST

n. Calif. (San Francisco-Sacramento)*	10:44 pm PST
Oregon	10:45 pm PST
w. Washington state, s.w. Brit. Col.*	10:46 pm PST
Oahu and Maui, Hawaii*	8:48 pm HST

(PS - I have no idea what the asteriks are for! - Paul)

How To Find NEAR as it Swings Past Earth:

If you are in one of the sunglint regions listed above, look for the brightest star above the northwestern horizon, Capella, which will be about halfway between the horizon and straight overhead for the East Coast, and higher on the West Coast. Hold your hand at arm's length and stretch out your fingers, putting the end of your little finger at the top at Capella. The tip of your thumb, pointing straight down from Capella, will mark the approximate location where the sunglint will occur in the constellation Perseus, about 20 degrees below Capella. The glint should be very noticeable, about as bright as Capella, and will last several seconds.

For more information, see the NEAR Web site:
<<http://sd-www.jhuapl.edu/NEAR/>>.

Date: Mon, 19 Jan 1998 13:06:59 -0600
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [1384] QRP ARCI FDI 98 QRP Conference Announcement
Message-ID: <3.0.32.19980119125543.00b23e18@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QST - QRP - QST - QRP - QST - QRP - QST - QRP - QST - QRP - QST

"FOUR DAYS IN MAY" 98 QRP CONFERENCE - The Amateur Radio QRP Event of 1998

QRP Amateur Radio Club, International (QRP-ARCI) proudly announces the third annual "Four Days In May " QRP Conference commencing Thursday, May 14 1998 - the first day of four festive days of 1998 Dayton Hamvention activities. Mark your calendar for this extra bonus day and register early for this not-to-be-missed QRP event of 1998.

Amateur Radio QRP presentations, workshops and demonstrations will be the focus of the full day Thursday QRP Symposium to be held at QRP ARCI headquarters - the Days Inn Dayton South. Last year, this sold-out event

had a "standing room only" crowd of 125 enthusiastic attendees. FDIM QRP Symposium attendees will start their day with a wake-up coffee social and then plunge into a full day of multimedia QRP presentations by renowned QRP authors and designers. Some sampling of topics already on the slate are Antenna Feeders, PCB Alternatives, G3RJV Six-Pack, Coherent CW, Transistor Modeling, Beyond the NE-602, QRP PIC Designs, and more. Culminating this first day, will be an evening QRP ARCI Author Social for folks to meet the QRP presenters. All are invited. The QRP ARCI "Four Days In May" 98 QRP Symposium will be the talk of the Dayton Hamvention.

The "Four Days in May" QRP extravaganza continues with the annual Friday night QRP ARCI Awards Banquet honoring QRP dignitaries for their service to the Amateur Radio community. QRP ARCI is proud to announce that this year's featured Banquet speaker will be Ade Weiss W0RSP, one of the pioneers of the QRP movement as we know it today. Following the Awards Banquet, a special evening has been set aside for the FDIM QRP Vendor Social where prizes will be drawn. All are invited.

FDIM Saturday will be special this year with an evening social for QRPers to meet the many regional North American and International QRP Club members - bring your banners! Saturday culminates with the annual QRP building contest sponsored by the NorCal QRP club - highlighted this year will be awards for QRP rigs based on the venerable 2N2222 transistor in honor of the invention of the transistor. All are invited.

"FOUR DAYS IN MAY" 98 QRP CONFERENCE Frequently Asked Questions:

- QRP SYMPOSIUM PRESENTERS - Please submit your QRP technical manuscripts to FDIM 98 Technical Paper Chairperson Ken Evans W4DU at 848 Valbrook Court, Lilburn, GA 30047 or Email: w4du@bellsouth.net FDIM 98 QRP Symposium Proceedings will be available for sale during and after the Conference for folks who are not able to attend the Symposium.

- FDIM QRP SYMPOSIUM REGISTRATION - Registration for the Thursday, May 14, 1998 FDIM QRP Symposium will be \$10 if prepaid by May 1, 1998 and \$12 after that date, or at the door. "At the door" registration may be limited if, once again, we sell out. Please register early to guarantee a seat. Registration will cover a full day of QRP Symposium activities, which include the QRP technical presentations, "Six-Pack" printed circuit board kit, those famous "special" Symposium bag stuffers and an endless QRO coffee pot. The \$10 registration fee also includes a complimentary copy of the FDIM 98 QRP Symposium Proceedings.

Please send your \$10 registration fee (US check, money order, international money order) made out to "QRP ARCI" and a SASE by May 1, 1998 to: Cam Bailey KT3A, FDIM Symposium Registration at PO Box 173, Mt. Wolf, PA 17347 or E-mail: kt3a@juno.com for information.

- QRP-ARCI AWARDS BANQUET - This not-to-be-missed Friday May 15, 1998 event is being hosted by FDIM Banquet Chairperson - Scott Rosenfeld NF3I. Please send your \$22 banquet ticket fee (US check, money order, international money order) made out to "QRP ARCI" and a SASE by May 1, 1998 to: Scott Rosenfeld NF3I, QRP ARCI Banquet Tickets at 4015 Sparrow House Lane, Burtonsville, MD 20866-1333 or Email: ham@w3eax.umd.edu for information.

- FDIM QRP VENDOR SOCIAL - A tradition was started at FDIM 96 - a special evening was set aside to officially introduce our QRP Vendors from around the world. All are invited to attend this wonderful Friday, May 15, 1997 evening social. Jim Stafford, W4QO, QRP ARCI Vice President, will be the gracious host this year. QRP Vendors - for registration information please contact Jim Stafford W4QO, QRP Vendor Evening Chairperson, at 11395 West Road, Rosewell, GA 30075 or via Email: w4qo@amsat.org

- QRP ARCI FDIM HEADQUARTERS - The Days Inn Dayton South will be the 1998 FDIM QRP headquarters. QRP ARCI has secured a special block of rooms for our QRP guests. Please contact Hank Kohl K8DD (email: k8dd@tir.com) regarding availability of rooms. Hank's address is 1640 Henry St., Port Huron, MI 48060.

On behalf of the QRP ARCI team we invite you all to join us for the QRP Event of 1998 - the "Four Days In May" 98 QRP Conference at the 1998 Dayton Hamvention. See you all there and best of 73/72. Bob Gobrick N0EB, FDIM 98 Publicity Chairperson. Email: rgobrick@worldnet.att.net and rgob@tengizchevroil.com

Date: Mon, 19 Jan 1998 13:29:18 CST
From: dannyayers@juno.com (Danny K Ayers)
To: qrp-l@Lehigh.EDU
Subject: [1385] Re: Antenna Question: Better Bazooka?
Message-ID: <19980119.133052.14790.0.dannyayers@juno.com>

Hi Ed and All,

I am also curious about the Bazooka antenna and it's variants for application on 80m. After seeing the previous QRP-L post, I checked ARRL's "The Antenna Book" (sorry, don't have pub date handy) and found the Bazooka as well as the Crossed-Bazooka you described. The article called the Bazooka "controversial" and stated that the bandwidth was only slightly greater than a conventional dipole. It went on to say that crossed-bazooka had a wider bandwidth but lower efficiency at the band edges.

Anyone have any additional info from modelling or experience?

72,
Danny -WX4P
Huntsville, AL

Date: Mon, 19 Jan 1998 21:36:02 -0800
From: vllario@eic.ictnet.es (Vicenc Llarío i Zarzoso)
To: qrp-l@Lehigh.EDU
Subject: [1386] QRP Plus performance figures once more
Message-ID: <34C437C2.270D@eic.ictnet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi gang!

Here I am again after a few days waiting for some advice. Anyway, only two answers from the QRP-L saying something like "take it easy" or "you are not going to get help from Index". I faxed twice the info I reported to the list to Index Labs and until now there has been no reaction. On the other hand, I posted the same message to the G-QRP-L and Sheldon Hands from Hands Electronics came back with some advice with regard to LO level to the passive ring mixer, decoupling, etc. Having a look to the schematics on the Plus manual I realised that the only PC boards that seemed to have been modified were the AF board and the RF board which I think is not at all true. I wonder if someone has a manual with updated schematics of the Plus to check the values of the components which must influence a reasonable performance of my rig. Sheldon told me that the figures of my test would correspond to a rather well designed NE602 based rig. What a pity!. As far as I am also member of the ARCI, I am aware of the mods reported by Larry East, but I believe that they are not going to cure my rig. If someone has any comments or suggestions, please repply to my E-mail at vllario@eic.ictnet.es
Thanks in advance for the cooperation and help and best 72

Vicen , EA3ADV QRP
EA-QRP # 4
G-QRP # 7384
ARCI # 8454

Date: Mon, 19 Jan 1998 19:39:23 +0000
From: Ed Loranger <we6w@qsl.net>

To: DENNISMO@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1387] Re: Keyer wiring convention
Message-ID: <34C3ABEB.44FE@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have seen both configurations touted as proper. I.E. whatever you like.

Physically, I think the index finger is already trained to react faster than the thumb. So you can more quickly stop sending Dits with the index finger.

I recommend you send dahs with the thumb, dits with the index finger. This is my conclusion, unbiased, and based only on physiological criteria.

Although, another important criteria could be based on the dominant configuration in current use. So if 95 percent of configurations have the Dah on the right side, and you key with your left hand, then you are set. (Dah to thumb)

However, keying with your right hand, Dah on the thumb, and finding out later that everyone else has the dah on the index side, well, you'll be stuck having to modify that emergency paddle/bug when you borrow.

This information and \$1.99 + tax will get you a small espresso somewhere :)

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Sun, 18 Jan 1998 21:41:54 EST
From: Shepherd <Shepherd@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [1388] N/T+ Log for 1/19/98
Message-ID: <c67b369e.34c2bd76@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well people here is my report for the Fox Hunt tonight:
I was on 7.140 at 5 watts.

Call	UTC	Name Snt/Rec	State	Power

WA1QVM	0002	Joel 559/339	Ma	
NI0A	0014	John 339/339	Mn	5 watts
VE5RC	0026	Bruce 229/449	SK	5 watts
WB0T	0032	Jerry 559/559	Ia	3 watts
K0EVZ	0038	Doc 579/559	Mn	5 watts
N1QQV	0044	Ken 569/549	Ct	5 watts
N0TU	0059	Steve 569/569	Co	3 watts
K5ZTY	0110	Bill 449/569	Tx	
W0DAM	0129	Dick 559/449	Ia	5 watts
KC1FB	0138	Jim 539/549	Ct	4 watts
KF4TRD	0152	Mike 229/339	F1	

11 contacts on my second time as a FOX! Man what a hobby, if you have not tried it do it. This was a very great night, I had a blast. BC QRM and QRN were not real bad. I will QSL to all.

I also had partial QSO's with:
Ron, N8VAR here in Dayton, Oh. For some reason I lost you.
Mabel, K0EUM in Ia. I got everything from you but your RST.

If you have any corrections to this log let me know, and thank you all for a great time.

72, 73
Dan, N8VZU
QRP-L #1404

Date: Mon, 19 Jan 1998 19:48:53 +0000
From: Ed Loranger <we6w@qsl.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1389] Re: Antenna Question: Better Bazooka?
Message-ID: <34C3AE25.3B49@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Righto Ron! The Amateur Radio handbooks I have, (1974 and 1977),
On page 599 and in the index, list the antenna as

"Broadband Dipole". A brief descriptive history mentions the MIT source and 'Also Known as "Double Bazooka" antenna' information.

The Bazooka balun/feed method is covered elsewhere in the book and is also indexed.

Yup. It is a Double Bazooka Fed Dipole, Bazooka feed on each leg.

Just curious if the KOHPS method of construction and feed, which is much different than the MIT design, is better or worse for amateur use.

Which one is better. Can anyone model this or have any FS measurements?

Inquiring minds, and me, want to know.

By the way, JC has been using this antenna for 4 years, I believe, and he was S9 + 30 dB yesterday at 2 Watts. Inverted Vee configuration was used at his QTH, Also he had a second doublet at 90 degrees.

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Mon, 19 Jan 1998 12:01:00 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1390] Re: Tuna Tin 2 PCB Layout Available
Message-ID: <34C3B0FC.4BE4@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Let me add that the QRP ARCI will be sponsoring a contest using this equipment!

The Name of the contest and full details are still being worked out, but it will be a fun event and a nice way to always remember a real mover in Amateur Radio!

Are we having fun yet??? :-)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Mon, 19 Jan 1998 15:34:20 -0500
From: "Richard Powell" <ripowell@mpna.com>
To: <vole@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1391] Re: FYBO 98 / NA CW Sprint Collision
Message-ID: <19980119200513Z18656-25183+303@mail2.one.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The way I see it, this will just give us more stations on the air to add to our pile-ups!

/rick

WB6JBM

> From: Joe Gervais <vole@primenet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: FYBO 98 / NA CW Sprint Collision
> Date: Monday, January 19, 1998 1:40 PM
>
>
> [Hmmm.... Mailer freaked on me - let's try this again...]
>
> Howdy Folks,
>
> Well nuts. When picking a good date for FYBO, I checked
> several contest calendars on the Web. Since I was doing
> this many months ago, most of the calendars only had the
> names/dates of Feb '98 events, not the rules.
>
> The problem? The N.A. CW Sprint was listed as Feb 8th
> on every calendar. I Chose FYBO for Feb 7th since the day
> looked clear. Can you see this coming? Wish I had. :-)
> Yes, the NA CW Sprint starts at 0000 *UTC* Feb 8th, which
> is Saturday evening. SHEESH!
>

> So during the last 4 hours of FYBO, we'll be in the
> middle of the NA CW Sprint too.
>
> Don't know how bad of a problem this will be, but I have
> an idea. *IF* the QRM from NA CW is overwhelming, why
> not head up to the safety of the Novice freqs? Again, that's
> *if* the QRM is overwhelming. We could agree on an area
> (figure 80m/40m will be the only good bands that time of
> day) - I've found 7135-7150 to be free of BC SW.
>
> What do you think? Is that a good emergency backup? If
> the QRM isn't too bad, we can just slug it out like we
> always do on the Fox Hunts. Heck, all those nights of
> Tuner-Uppers and SSB drug smugglers have made us pretty
> tough, right? ;-)
>
> I promise this *won't* happen again!
>
> Please let me know. My snowcamping trip was fun, even
> managed a QSO between AB7TT/QRP/P - N0TU/QRP/M. :-)
> Full story to follow!
>
> Thanks for your support. Only three weeks to FYBO!!!
> Comments/ideas encouraged!
>
> Cheers de AB7TT,
>
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
> "If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions
>

Date: Mon, 19 Jan 1998 16:07:19 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: VHF Mailing list <vhf@w6yx.stanford.edu>, qrp-1 <qrp-1@Lehigh.EDU>, Laurel ARC
<larc-1@webtrek.com>, eax@w3eax.umd.edu
Subject: [1392] FS: Ramsey COM-3 service monitor, to the "locals" first...
Message-ID: <Pine.LNX.3.95.980119132031.14050D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have decided, in the face of life events and changing requirements, that
I can no longer justify owning this one. I just don't do THAT much stuff
with it, and certainly don't use it for business purposes, so it's not
much paying for itself :)

One Ramsey Com-3 service monitor. Signal generator, AM/FM modulator with 1 kHz tone, CTCSS encoder, and external modulation input. Easy to use, adjustable output from < .1 uV to about 100 mV. Adjustable 0-100% modulation.

Wideband receive monitor - AM/FM, from 100 kHz - 1000 MHz, continuous - with built-in speaker. Step size is 500 Hz. Digital display, NiCd battery pack, AC adaptor built-in.

Encodes/decodes digital pagers (a \$400 option), and has 0.5 ppm TCXO time base (about \$300). Aligned early 1997 by Ramsey.

FM - Displays amount off frequency as well as deviation on an LED bar graph...1.5 or 7 kHz scales for deviation.

Excellent condition, with box, manual, and all docs. Also comes with carrying handle and protective front cover. Sells new with all options for a little over \$4,000.

Asking \$2600, pretty firm, some offers considered, but straight sale preferred. I'm the 3rd owner. It has never been abused.

It can be seen at www.ramseyelectronics.com. It's a lot for the money, in all honesty.

BTW, to the previous owner: I did get a fair amount of use from this expensive toy, but with some upcoming "life stuff" it's not practical to keep it around unless nobody else wants it.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Mon, 19 Jan 1998 15:22:53 -0500
From: "Howard M. Sherer" <howardsh@ptdprolog.net>
To: qrp-1@Lehigh.EDU
Subject: [1393] FS MFJ 9040 40M QRP CW rig
Message-ID: <34C3B61C.4E71625F@ptdprolog.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FS in mint condition MFJ 9040 40M QRP transceiver. \$125.
Howard AE3T

Date: Mon, 19 Jan 1998 15:25:17 -0500
From: "Howard M. Sherer" <howardsh@ptdprolog.net>
To: QRP List Server <qrp-l@Lehigh.EDU>
Subject: [1394] FS Ten Tec ant tuner
Message-ID: <34C3B6AD.10ACC908@ptdprolog.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FS Ten Tec ant tuner model #943 3-30 Mhz 250W (no meter) \$50. Howard
AE3T

Date: Mon, 19 Jan 1998 13:32:07 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [1395] Re: FYB0 98 / NA CW Sprint Collision
Message-ID: <Pine.SOL.3.91.980119131700.8300D-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> From: Joe Gervais <vole@primenet.com>
> So during the last 4 hours of FYB0, we'll be in the
> middle of the NA CW Sprint too.

> What do you think?

I think us QRPers should hold our ground and wait for them to surrender.

Seriously, I like the fall-back-to-the-Novice band approach. If it gets unbearable, QSY to 7.106 or thereabout. 40M is generally more active in the QRP contests in the afternoons anyway. Guess I'll tweak my SLV/MMA this weekend to make sure it loads up OK on 7100. And if not ... heck, let's try 6990!

72, Paul NA5N

One of the FYBO "A-Team" members from Pine Top, AZ

Date: Mon, 19 Jan 1998 15:43:06
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [1396] re:super morse
Message-ID: <3.0.1.16.19980119154306.33072aa8@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
Sorry to post this to the list but I lost harry's e-mail address.

Harry, I got it the Super morse program to change speed and everthing but the only way that it will play it at that speed is if you continuously hold down the shift key. Is this normal or do I still not understand something?
Thanks for your help and the disk.

73,
Arnold kd5ckh

Date: Mon, 19 Jan 1998 13:46:08 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
Cc: cqcllist@lists.csn.net, qrp-1@Lehigh.EDU
Subject: [1397] Re: CQC Banquet Change of Location
Message-ID: <199801192048.NAA14472@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>January 34th? That would be Feb. 3!
<<

I've got to start reading this stuff before I hit the Send button!

It should say January 24th with a 2.

Thanks for pointing it out.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Mon, 19 Jan 1998 13:49:52 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "cqclist@lists.sni.net" <cqclist@lists.sni.net>, "'Marshall Emm'"
<mgemm@mtechnologies.com>, "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [1398] RE: CQC Banquet Change of Location
Message-ID: <01BD24E1.201AA2E0@pps-pc10.gwl.com>
Content-Type: text

I believe Marshall wanted to say the 24th of January as the 34th is not a Saturday.

De KB0ROL, Brad
Dinner Chairham

From: Marshall Emm[SMTP:mgemm@mtechnologies.com]
Sent: Monday, January 19, 1998 10:14 AM
To: cqclist@lists.sni.net; qrp-1@lehigh.edu
Subject: CQC Banquet Change of Location

The CQC Banquet is moving to a different location! Actually it's just a different Country Harvest Buffet, and not far away from the original.

The Banquet will be on Saturday, January 34th, at 6pm at the Country Harvest Buffet, 740 Peoria St., in Aurora. From I-225 take the 6th Avenue Exit west and go one mile to Peoria St. Turn right (north) then immediately turn right into the shopping center. The restaurant is in the northwest corner of the shopping center next to the traffic light (which is an exit only).

More info and details on the web page--
<http://www.mtechnologies.com/cqc/cqcevent.htm>
or contact Banquet Chairman Brad (Kb0ROL) via email at:

kb0rol@juno.com

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Mon, 19 Jan 1998 14:56:57 -0600 (CST)
From: John Seboldt <rohrwerk@pconline.com>
To: qrp-l@Lehigh.EDU
Subject: [1399] S&S DVFO-II / other AD9850 designs?
Message-ID: <Pine.LNX.3.95.980119144510.13324B-1000000@newton.pconline.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Of the DDS VFO packaged kits I've seen, the S&S DVFO-II seems the best - it's based on the new AD9850, and runs to 54 MHz with 10 memories, 1Hz readout/resolution, and 10 memories. It seems cleaner than most also, though of course for the best performance you still want a PLL to clean it up.

It does seem, however, not to have a built-in transmit offset function programmed in -- an E-mail confirmed this. This would mean working transmit offset into the surrounding circuitry, or reprogramming the microprocessor logic yourself! It uses the PIC16C57 chip with a 93LC56 EEPROM for memory storage, and they say you can get a reprogrammable version of the PIC if you're into experimenting with the firmware. In other words - possible with work!

(Ironically, transmit offset is an option for their earlier DVFO, using the AD7008!)

Insights?

John K0JD

Date: Mon, 19 Jan 1998 16:06:20 EST
From: w4bws@juno.com (Donald E Sanders)
To: QRP-L@Lehigh.EDU
Subject: [1400] FREE 3.5 In. DISKS
Message-ID: <19980119.172036.6895.2.W4BWS@juno.com>

Your local Radio Shack has 50 disks on sale for \$15.00 with a \$15.00 mail-in rebate--3 rebates per family-- Thought the listers would be interested.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Mon, 19 Jan 1998 15:38:23 -0600 (CST)
From: "Phillips Richard" <phillips@msoe.edu>
To: K5BDZ <K5BDZ@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1401] Re: Keyers w/Analog Speed Control?
Message-ID: <Pine.OSF.3.96.980119153607.8910A-1000000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Richard Phillips
Lab Technician
Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

On Mon, 19 Jan 1998, K5BDZ wrote:

> Steve
> I have a number of keyer kits with all parts and instructions but WITHOUT
> 8044ABM chips...if you have the chips,

I purchased an 8044ABM from MFJ a few months back.

Date: Mon, 19 Jan 1998 17:21:08
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [1402] Monday Nite FOX - W2UX
Message-ID: <3.0.3.16.19980119172108.3ce7d6f6@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Look for me tonite (0100-0300 UTC Tuesday). I will try around 7.041 for a starting point if the QRM permits. Happy hunting.

=====
72/73 de W2UX
Gary McCaughey
Lexington, SC
CW is the REAL THING!
Use it....or lose it.
QRP-ARCI QRP-L CQC
=====

Date: Mon, 19 Jan 1998 22:20:53 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1403] Tote/Tent Zipper Repair -- QUICK!
Message-ID: <34C3D1C5.261C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How many times have you all had a tote bag, jacket, tent flap etc., where the teeth on both sides of the zipper have separated?

Well, many years ago I took a good look at the

"Root Cause" and found that overstuffed or stressed zippers cause the little metal zipper clasp to open up a bit at the rear.

Takes about 5 seconds to fix if you know how!!!!

Just get the zipper pull down to the bottom or beginning of the zipper channel, then gently crimp the rear of the pull so that it almost snags on the material between the top/bottom.

If you get it too tight, just insert a jewlers screwdriver and twist to separate it a little.

No need to buy a new backpack or zipper mechanism.

Works FB! I then tell my kids, "Don't overstuff your backpack anymore."

I've never heard anyone mention this before and hope my technique helps someone out there.

Best to all, es 72

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Mon, 19 Jan 98 12:25:24 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [1404] MFJ 9020 for sale
Message-ID: <9801192225.AA12348@krypton.nmr.Hawaii.Edu>

I have an MFJ 9020 like new condition for sale. It has the keyer and the audio filter. The filter is very good! Problem is that I have a TenTec and I am spoiled rotten!!!! I cannot abide the QSK on the MFJ unit in spite of attempts to retune it. It is a fine little receiver and I have used it on a dipole to make several contacts so it works just fine, but Ten Tec type QSK like on the ARGO 556 ruins one for life. OR at least it did me.

I am keeping the fantastic matching QRP tuner, but I will sell the 9020 plus keyer and audio filter modules for \$120 plus \$8 for a priority mail

box to put it in.

Just in case there is a confusion, this is the 20 meter QRP CW rig. I am impressed by the receiver, but the sidetone and QSK is not what TenTec spoiled me to expect.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Mon, 19 Jan 1998 16:07:42 -0600
From: Bill Schiller <schiller@cherokee.nsuok.edu>
To: jim_kc1fb@pipeline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1405] Re: QRP in the SSB NA QSO Party
Message-ID: <34C3CEAD.FCB3207E@cherokee.nsuok.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Francoeur KC1FB wrote: one I could hear. Not bad for ssb qrp on 75,
with the
bDid anyone else "play" in the contest at qrp levels?

> Jim,

I sure did. Got 25 QSO's in 11/2 hours on 75 and 40 mtrs. with a QRP PLUS
running 3 wts. PEP. Worked 16 different states. I too like SSB QRP! Bill
KJ5CI

>
>
>
>

Date: Mon, 19 Jan 1998 22:38:53 +0000
From: Ed Loranger <we6w@qs1.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1406] Re: Antenna Question: Better Bazooka?
Message-ID: <34C3D5FD.3B36@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

>
> Good Morning everyone.
>
> Had a nice qso with JC, KH0PS/6. He's using a modified

Folks, THAT's K0HPS/6

Sri.
-Ed

--
Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Mon, 19 Jan 1998 23:08:22 +0000
From: R00 <R00@kanga.demon.co.uk>
To: acito@asdg.enet.dec.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1407] Re: Pixie on 30m?
Message-ID: <NsGKtDAmz9w0Ewbx@kanga.demon.co.uk>
MIME-Version: 1.0

In message <9801191803.AA04814@us1rmc.bb.dec.com>, Bill Acito 19-Jan-1998 1302 <acito@asdg.ENET.dec.com> writes

>
>
> Anyone put a Pixie on 30m? Can I assume I can go into the
> ARRL Handbook and pull out a standard 10Mhz Pi filter for the
> output?

>
Any simple transmitter such as the Pixie, the 0NER, the 0X0 or the FOXX2
can be driven by a fundamental crystal. Note the fundamental!

Whilst it will work with these crystals any transmitter with ANY output
will also transmit harmonics. The level of which will depend on the
strength of the transmitted signal.

Without a Low Pass Filter after these transmitters the second harmonic WILL be heard. The answer is a LPF. Any will do, as at QRP frequencies we are dealing with a low fundamental power level thus, hopefully an even lower harmonic.

If in doubt of this, try to get a low SWR with your ATU without an LPF!

Having said all that; you MUST use a LPF after ALL transmitters.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East.
Folkestone Kent CT18 7EG.
Tel / Fax (44) (0) 1303 891106

<http://www.kanga.demon.co.uk>

Date: Mon, 19 Jan 1998 16:24:29 -0700
From: Larry East <wlhue@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [1408] 38S For Sale
Message-ID: <3.0.3.32.19980119162429.00916c80@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale: "38 Special" 30M QRP transceiver completely assembled, debugged and installed in custom aluminum case. (Photo available for \$5).

Features:

- Double tuned receiver input.
- Improved T/R switching.
- Adjustable CW sidetone.
- Built-in keyer (TICK).
- Frequency coverage: 10.101 MHz to 10.124 MHz.
- Wide IF filter allows you to hear both sides of the signal. :-)
- RIT with LED indicator when ON.
- Reverse polarity DC supply protection.
- Output power adjustable from <50mW to 5W (with 13.2V supply).
- Transmitter harmonics > 40dB below carrier; other spurious

signals > 30dB below carrier (meets FCC spectral purity requirements).

- No chirps, whistles or thumps.

Because of the many hours required to get this puppy to work, I'm asking \$1,849.99 -- firm! (Shipping to anyplace on the planet included.) Will consider trade for 1500W all-band amplifier or 40M rotatable beam (with tower).

:-) :-) :-) :-) :-) :-) :-) :-) :-)

Date: Mon, 19 Jan 1998 23:50:42 +0000
From: Ed Loranger <we6w@qsl.net>
To: w1hue@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1409] Re: 38S For Sale
Message-ID: <34C3E6D2.17F4@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't bite folks! I saw the same deal on the newsgroups, but that guy is offering a "LIFETIME Supply of Altoids (R)" with the rig!!!

=8^0

-Ed

Larry East wrote:

>
> For sale: "38 Special" 30M QRP transceiver completely assembled,
> debugged and installed in custom aluminum case. (Photo
> available for \$5).
<snip>
> Because of the many hours required to get this puppy to work, I'm
> asking \$1,849.99 -- firm! (Shipping to anyplace on the planet
> included.) Will consider trade for 1500W all-band amplifier or
> 40M rotatable beam (with tower).
>
> :-) :-) :-) :-) :-) :-) :-) :-) :-)

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Mon, 19 Jan 1998 18:34:45 EST
From: n7mfb@juno.com (Bill Todd)
To: jayboy@psnw.com
Cc: qrp-l@Lehigh.EDU
Subject: [1410] Re: Another JPG Question
Message-ID: <19980119.153336.4631.1.n7mfb@juno.com>

On Sun, 18 Jan 1998 06:43:16 -0800 Jay & Jackie <jayboy@psnw.com> writes:
>Hi all:
>
> Question: How do I look at it?
>
> I have Netscape, Eudora, MS Word, Works, and MS Publisher.
Hello Jay -

Your best chance to see your .JPG is to use Microsoft Publisher.
Launch the Publisher program, start with the "blank page", and then go to
"Insert" on the tool bar.

My Publisher automatically goes to a particular directory to look for
artwork (maybe yours does too). Ignore that particular directory, and
scroll up to the "C:" directory and then look for your particular work of
art in the subdirectory you have it in.

Note: If you have not moved it yet, and are using Eudora, you should
find it in the "Attach" subdirectory of the Eudora program.

Once you click on the .JPG file, it should insert itself into the
Publisher program so you can take a look at it.

I hope this helps -
CUL, Bill-N7MFB
college E-mail address

Date: Mon, 19 Jan 1998 15:58:52 -0800
From: rheiss@sprynet.com (Rob Heiss)
To: qrp-l@Lehigh.EDU

Subject: [1411] more past articles on 2n2222 transmitters
Message-ID: <199801192358.PAA14101@m5.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

While browsing through old QST issues, I noticed four more examples of rigs using 2n2222 transistors. Were these mentioned already?

QST Dec 79 by DeMaw & Shriner

Transmitter with 4X parallel 2N2222A in the final puts out 2W.
Uses 1.8 ohm ballast resistors and a half-wave output filter.
Claims that tweaking on the lab bench produced 5.25 Watts out!

QST Mar 86 by DeMaw "Field Tester for Antennas"

Tester consists of a three-band 250 mW transmitter and a resistive SWR bridge. Transmitter uses 2N2222A in driver and final stages.

QST Jul 87 by DeMaw "Low Cost QRP Power Boosters"

Amplifiers using several matched 2N2222A in parallel or push-pull.
Recommends a Pierce oscillator circuit for matching transistors.
Examples have either 1.0 ohm ballasts or 36 volt zeners for protection, and claim 1.5 to 3 Watts output.

QST Feb 91 by M. Angsten "The BP-80: An 80 Meter CW Transceiver"

A diode-tuned VXO superhet which predates the 38 Special and the SST. The transmitter portion uses (diodes and) PN2222 transistors, as does RIT circuit. Requires a custom VXO crystal.

73, Rob K06KA rheiss@sprynet.com

End of QRP-L Digest 975

